

## **Faculty Courses offered in English**

Spring 2024  
Kyoto University

## FACULTY COURSES offered in English - Spring (1st) Semester 2024

**NOTE:** If KUINEP students wish to register for the following faculty courses, fill out the [“Registration Form for Special Auditor on Student Exchange Agreement.”](#) Then, [attend the first class, obtain a signature from the instructor and hand in the original signed form to the IESMD Office by the deadline.](#) If you are registering for courses offered by more than one Faculty, please use a separate registration form for each Faculty; e.g. Faculty of Economics, Letters, etc. Please check KULASIS (university portal) for the most updated information on when and where classes are held. In case the first classes are not conducted face to face, ask the faculty office how you can attend the course and contact the instructor to obtain a written consensus to register for the course and submit to IESMD by the deadline. No late submissions will be considered.

Building numbers correspond to the building numbers on the campus map. Note that there are Yoshida South, Main, North, and Medicine Campuses in Yoshida.

Campus map

<https://www.kyoto-u.ac.jp/en/access/main-campus-map>

| FACULTY OFFERING THE COURSE | PAGE | LECTURE CODE | COURSE TITLE                                         | DAY/PERIOD | INSTRUCTOR               | LANGUAGE OF INSTRUCTION | CAMPUS               | BLDG.NO. ON CAMPUS MAP | BLDG.NAME / CLASS ROOM (E) | BLDG.NAME / CLASS ROOM (J) |
|-----------------------------|------|--------------|------------------------------------------------------|------------|--------------------------|-------------------------|----------------------|------------------------|----------------------------|----------------------------|
| Integrated Human Studies    | 1    | 4430001      | Contemporary and Modern History I                    | Thu.3      | BHATTE, Pallavi Kamlakar | English                 | Yoshida SOUTH Campus | Bldg. #86              | East South Wing Room #101  | 吉田南総合館東南棟101               |
| Letters                     | 3    | JK33001      | Introduction-Focus I Seminar (VMC) A                 | Wed.3      | Bjorn-Ole Kamm           | English                 | Yoshida MAIN Campus  | Bldg. # 34             | Seminar room 9             | 第9演習室                      |
|                             | 5    | JK11006      | Foundations I-Seminar(VMC)                           | Thu.4,5    | CHOI, Jung Bong          | English                 | Yoshida MAIN Campus  | Bldg. #34              | Lecture room 9             | 第9講義室                      |
|                             | 7    | JK07001      | Skills for Transcultural Studies I-English           | Wed.2      | ERICSON, Kjell David     | English                 | Yoshida MAIN Campus  | Bldg. #8               | Seminar room 1             | 第1演習室                      |
|                             | 9    | JK35001      | Introduction-Focus I Seminar (SEG) B                 | Thu.3      | ERICSON, Kjell David     | English                 | Yoshida MAIN Campus  | Bldg. #8               | Seminar room 4             | 第4演習室                      |
|                             | 11   | 3462003      | English Language and Literature (Seminars)           | Wed.4      | JACKSON, Lachlan Rigby   | English                 | Yoshida MAIN Campus  | Bldg. #8               | Lecture room 4             | 第4講義室                      |
|                             | 12   | JK11005      | Foundations I-Seminar(VMC)                           | Mon.1,2    | KIM, Suhyun              | English                 | Yoshida MAIN Campus  | Bldg. #8               | Seminar room 2             | 第2演習室                      |
|                             | 14   | 3462001      | English Language and Literature (Seminars)           | Wed.1      | LUDVIK, Catherine        | English                 | Yoshida MAIN Campus  | Bldg. #8               | Lecture room 2             | 第2講義室                      |
|                             | 16   | 7231013      | Linguistics (Special Lectures)                       | Mon.2      | Tao PAN                  | English                 | Yoshida MAIN Campus  | Bldg. # 34             | Seminar room 8             | 第8演習室                      |
|                             | 17   | 1653003      | Indological Studies (Seminars)                       | Thu.3      | Tao PAN                  | English                 | Yoshida MAIN Campus  | Bldg. #8               | Seminar room 5             | 第5演習室                      |
|                             | 19   | 1633002      | Indological Studies (Special Lectures)               | Tue.2      | VASUDEVA, Somdev         | English                 | Yoshida MAIN Campus  | Bldg. # 34             | Seminar room 8             | 第8演習室                      |
|                             | 20   | 1644004      | Indological Studies (Seminars)                       | Tue.5      | VASUDEVA, Somdev         | English                 | Yoshida MAIN Campus  | Bldg. #8               | Seminar room 5             | 第5演習室                      |
|                             | 21   | 3431018      | English Language and Literature (Special Lectures)   | Tue.3      | WROBETZ, Kevin Reay      | English                 | Yoshida MAIN Campus  | Bldg. #34              | Lecture room 9             | 第9講義室                      |
|                             | 22   | 7331007      | Sociology (Special Lectures)                         | Wed.5      | ASATO WAKO               | English                 | Yoshida MAIN Campus  | Bldg. #34              | Lecture room 9             | 第9講義室                      |
|                             | 24   | 8231003      | Philosophy and History of Science (Special Lectures) | Fri.2      | ISEDA TETSUJI            | English                 | Yoshida MAIN Campus  | Bldg. #8               | Seminar room 2             | 第2演習室                      |
|                             | 25   | 5143010      | Philosophy (Seminars)                                | Mon.1      | ONISHI TAKURO            | English                 | Yoshida MAIN Campus  | Bldg. #34              | Lecture room 9             | 第9講義室                      |

| FACULTY OFFERING THE COURSE | PAGE | LECTURE CODE | COURSE TITLE                                                   | DAY/PERIOD  | INSTRUCTOR           | LANGUAGE OF INSTRUCTION | CAMPUS              | BLDG.NO. ON CAMPUS MAP | BLDG.NAME / CLASS ROOM (E)                           | BLDG.NAME / CLASS ROOM (J) |
|-----------------------------|------|--------------|----------------------------------------------------------------|-------------|----------------------|-------------------------|---------------------|------------------------|------------------------------------------------------|----------------------------|
| Education                   | 27   | 1416000      | English Seminar on Developmental Science                       | Tue.1       | MYOWA MASAKO         | English                 | Yoshida MAIN Campus | Bldg. #34              | Seminar room 7                                       | 総合研究2号館 第7演習室              |
| Law                         | 28   | 1834000      | Special Lecture- European Private Law (European Union)         | Tue. 3      | Gabriele Koziol      | English                 | Yoshida MAIN Campus | Bldg. #4               | Classroom 8, Faculty of Law and Faculty of Economics | 法経第八教室                     |
| Engineering                 | 29   | 3502000      | Exercises in Infrastructure Design                             | Mon.1,Thu.1 | AN RIN               | English                 | Yoshida MAIN Campus | Bldg. #63              | Research Bldg. No.9 N3                               | 総合研究9号館N3                  |
|                             | 30   | 3504000      | Fundamental Mechanics                                          | Mon.4       | AN RIN               | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 31   | 3505000      | Probabilistic and Statistical Analysis and Exercises           | Tue.3,4     | KIM SUNMIN           | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 2, Research Bldg. No.4                         | 総合研究4号館共通2                 |
|                             | 32   | 3506000      | Design for Infrastructure I                                    | Thu.3       | UNO NOBUHIRO         | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 33   | 3512000      | Dynamics of Soil and Structures                                | Mon.2       | IGARASHI AKIRA       | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 34   | 3513000      | Construction Materials                                         | Mon.1       | AN RIN               | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 35   | 3514000      | Structural Mechanics II and Exercises                          | Mon.4,5     | KITANE YASUO         | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 2, Research Bldg. No.4                         | 総合研究4号館共通2                 |
|                             | 36   | 3515000      | Continuum Mechanics                                            | Tue.5       | KHAYYER ABBAS        | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 37   | 3517000      | Fundamentals of Hydrology                                      | Tue.3       | ICHIKAWA YUTAKA      | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 38   | 3519000      | Soil Mechanics II and Exercises                                | Wed.1,2     | YASUHARA HIDEAKI     | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 40   | 3520000      | Experiments on Soil Mechanics and Exercises                    | Wed.3,4     | KISHIDA KIYOSHI      | English                 | Yoshida MAIN Campus | Bldg. #57              | Joint 4, Seminar Room 1                              | 共通4・物理系校舎第1演習室             |
|                             | 42   | 3521000      | Planning and Management of Social Systems                      | Thu.2       | Cruz Ana Maria       | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 43   | 3522000      | Engineering Mathematics B2                                     | Fri.1       | SCHMOECKER, Jan-Dirk | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 44   | 3524000      | Public Economics                                               | Thu.1       | TATANO HIROKAZU      | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 45   | 3541000      | Hydraulics II                                                  | Tue.4       | GOTOH HITOSHI        | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 4, Research Bldg. No.4                         | 総合研究4号館共通4                 |
|                             | 46   | 3544000      | Introduction to Civil, Environmental and Resources Engineering | Wed.4       | AN RIN               | English                 | Yoshida MAIN Campus | Bldg. #38              | Joint 2, Research Bldg. No.4                         | 総合研究4号館共通2                 |

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| <b>Course number</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                        | U-HUM32 24430 LE42 U-HUM32 24430 LE45 U-HUM32 24430 LE38 |                                                                    |                                                                                                |                     |
| <b>Course title<br/>(and course title in English)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Contemporary and Modern History I<br>Contemporary and Modern History I |                                                          | <b>Instructor's name, job title, and department of affiliation</b> | Graduate School of Human and Environmental Studies<br>Senior Lecturer,BHATTE, Pallavi Kamlakar |                     |
| <b>Target year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | From 2nd to 4th year students                                          | <b>Number of credits</b>                                 | 2                                                                  | <b>Year/semesters</b>                                                                          | 2024/First semester |
| <b>Days and periods</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Thu.3                                                                  | <b>Class style</b>                                       | Lecture<br>(Face-to-face course)                                   | <b>Language of instruction</b>                                                                 | English             |
| <b>[Overview and purpose of the course]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| This course introduces topics such as the arrival of Europeans in India, British colonization, the Great Game and the Great War enabling students to understand people whose lives have been shaped by Western colonial rule from the 18th to the 20th centuries. By scrutinizing themes such as Orientalism and the processes of colonization we will try to understand what life was like in the colony for the British, as well as what was it like to live as a colonized person in the Age of Empire? What kind of power did one have to lead a free life? What sorts of opposition and resistance was available to colonized peoples? |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| <b>[Course objectives]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| 1. Strengthen critical thinking skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| 2. Learn to interpret and comment thoughtfully on a variety of materials (text, film, images)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| 3. Improve writing by formulating clear and concise arguments supported by primary source evidence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| 4. Analyze and interrogate both official narratives and personal histories by considering how they influence, intersect with, or depart from one another                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Week 1:Introduction to the Course and Overview                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Week 2/3:Arrival of Europeans in India                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| The East India Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| The 1857 Mutiny                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Week 4: Discussion on 2/3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Week 5/6:British colonization of India                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Life in the colony                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Colonized and the Colonists                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Week 7: Discussion on 5/6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Week 8/9: Life in the Colony/Looking toward the metropole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Stories from the Raj:Politics, Leisure and Sport                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| The Great Game                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Week 10: Discussion on 8/9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| Week 11/12: The Great War and the British Empire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                        |                                                          |                                                                    |                                                                                                |                     |
| ----- Continue to Contemporary and Modern History I(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |                                                          |                                                                    |                                                                                                |                     |

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| <b>Contemporary and Modern History I(2)</b>                                                                                                                                                                                                                                             |  |
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| Week 13:Discussion on 11/12                                                                                                                                                                                                                                                             |  |
| Week 14: Conclusion and Summary                                                                                                                                                                                                                                                         |  |
| Week 15: Final examination                                                                                                                                                                                                                                                              |  |
| Week 16: Feedback & Summary of the Course                                                                                                                                                                                                                                               |  |
| *Note: The schedule may change slightly depending on class requirements.                                                                                                                                                                                                                |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                            |  |
| None                                                                                                                                                                                                                                                                                    |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                  |  |
| A system of continuous evaluation will be adopted.<br>Although this will be a lecture styled course, students will be required to engage in discussions and/or presentations and submit written work as per instructions.                                                               |  |
| Final grade will be based on the following:<br>30% Regular participation and activity in class.<br>70% Exam/Final Paper at the end of the course.                                                                                                                                       |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                      |  |
| Not used<br>Reference materials and notes will be distributed in class as per requirements. Students will be expected to go through the handouts and bring them to class as per instruction.                                                                                            |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                               |  |
| <b>(Reference books)</b><br>Introduced during class<br>To be announced in class.                                                                                                                                                                                                        |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                |  |
| Students must prepare before class and are expected to have completed assignments/readings provided.<br>Students are expected to participate in discussions with their classmates primarily in English.                                                                                 |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                         |  |
| Tuesdays 1:30-2:30 pm, and by appointment; email *in advance* to meet in person or set up remote meeting (via Zoom) during office hours.<br>Please visit KULASIS to find out about office hours.                                                                                        |  |
| Inclusivity & Classroom Behavior:                                                                                                                                                                                                                                                       |  |
| Please be respectful to everyone and everything in class.<br>I will remain mindful of the need to foster an inclusive academic environment and ask you to do the same. If you have any specific needs related to accessibility, please discuss them with me, confidentially, as soon as |  |
| ----- Continue to Contemporary and Modern History I(3) ↓ ↓ ↓                                                                                                                                                                                                                            |  |

### Contemporary and Modern History I(3)

possible.

Academic Integrity:

Written work submitted throughout the course should adhere to the standards of academic honesty, as defined in the Kyoto University Student Handbook.

\*Please visit KULASIS to find out about office hours.

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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                              |                   |                                  |                                                             |                                                              |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Introduction-Focus I Seminar (VMC) A<br>Introduction-Focus I Seminar (VMC) A |                   |                                  | Instructor's name, job title, and department of affiliation | Graduate School of Letters<br>Senior Lecturer,Bjorn-Ole Kamm |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3rd year students or above                                                   | Number of credits | 2                                | Year/semesters                                              | 2024/First semester                                          |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Wed.3                                                                        | Class style       | Seminar<br>(Face-to-face course) | Language of instruction                                     | English                                                      |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Play, Transcultural: Interdisciplinary Game Studies 101                      |                   |                                  |                                                             |                                                              |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              |                   |                                  |                                                             |                                                              |
| <p>Game analysis, game studies, or ludography exemplify different names and approaches to the growing field of research on games and gaming. Studying the meaning of playing digital and analog games and their complexity as (trans-) cultural artifacts asks for combining new and old research tools from the humanities and social sciences -- and more because gaming relates to many spheres of human activity. This practice-oriented and interactive seminar focuses on theoretical concepts and practical analytical techniques to engage transculturality in the cross-disciplinary research field of games.</p> <p>The course engages questions of what makes a game, considering classics, such as Huizinga’ s Homo Ludens, taking cues from Wittgenstein’ s family resemblance, and exploring the dynamic of game design, incorporation ("immersion," see Gordon Galleja's In-Game), and bleed. Primarily, we will deal with approaches to analyzing games as complex media artifacts that "exist" only in being played. Thus, the course offers concrete step-by-step guidelines for researching the context, formal, narrative, and visual elements, and the ergodic ("interactive") and immersive aspects of games. In this, we will also pay attention to community-building moments and border-crossing flows, questions of representation and appropriation.</p> <p>The theoretical input and practical guidelines form the basis for practical exercises in applying these methodologies to concrete cases of the student’ s choosing.</p> <p>The course primarily addresses JDTS and MATS students of the VMC focus in their first semester but also welcomes students in their second year who are about to define their MA thesis topic. The course requires students to actively participate, do regular written homework and occasionally work in teams.</p> <p>Study Focus: Visual, Media and Material Culture. Modules: Introduction to Transcultural Studies.</p> |                                                                              |                   |                                  |                                                             |                                                              |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                   |                                  |                                                             |                                                              |
| <p>The course seeks to establish an understanding of theories of transculturality, interactivity, immersion, and user agency and various angles of valuable methodology for the study of games and gaming. Building on key literature of game studies since Aarseth’ s “Playing Research” and a Wittgensteinian approach to cultural practices, students will acquire knowledge and skills in developing a matching research design for studies sensitive to the interactive nature of games, and the role of actors and materials alike.</p> <p>Students will apply key methodologies to contemporary case studies, such as qualitative visual and textual analysis of videogames, cyber-ethnography of gamers, or the analysis of the physical embodiment of fictional characters in live-action gaming. The course aims to assist students in taking the leap to a position of knowledge production and thus focuses on practical exercises and training in academic presentation skills.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |                   |                                  |                                                             |                                                              |
| -----<br>Continue to Introduction-Focus I Seminar (VMC) A (2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                   |                                  |                                                             |                                                              |

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| <b>Introduction-Focus I Seminar (VMC) A (2)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| <p>The following general structure will guide the schedule of course sessions. A detailed plan for each class will be determined depending on the number of and the feedback from the participants, and will be announced in class.</p> <p>(1) The first sessions introduce students to the history and discourse of game studies, actor, network, and practice theories and appropriate methods for studying gaming. [Weeks 1-5]</p> <p>(2) The class decides on a shared question for project investigations, a specific game, and appropriate methods. As networks of humans and artifacts (media), games necessitate analyses of contents as well as "users." Accordingly, and if the number of participants permits, the class is divided into different project groups (e.g., context analysis, analysis of formal elements, participant observation in virtual worlds or in live-action games, cyber-ethnography of players), working on the same game from different angles (triangulation). [Weeks 6-10]</p> <p>(3) Employing an e-learning environment (forums, journals), the groups plan and execute the projects under the instructor's supervision. Finally, the groups present results and discuss problems and achievements according to the overall study question. [Weeks 11-15]</p> <p>The lectures, individual preparations (homework/feedback), and group projects will figure 1/3 of the course each.</p> |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 3rd year or above (3回生以降).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| All students: Homework (20%), project work, presentation and report (50%), feedback (10%), active participation (20%). For a full seminar (8 ECTS): A research paper (counting 30% of the overall grade).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Not used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| <p><b>(Reference books)</b></p> <p>The course materials as well as lecture slides will be made available via the course webpage.</p> <p>The course takes some guiding ideas from Fernandez-Vara's Introduction to Game Analysis, Salen and Zimmerman's Rules of Play, and Boellstorff et al. Ethnography and Virtual Worlds. Reading their introduction/book is not mandatory but parts of these books may be obtained prior to the course by contacting the instructor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| -----<br>Continue to Introduction-Focus I Seminar (VMC) A (3) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |

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| Introduction-Focus I Seminar (VMC) A (3)                                                                                                                                                                                                                                                                                                 |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                 |
| Participants need to prepare one reading before each in-class session and are asked to write short comprehension essays afterwards. During project phases, participants will conduct group work and submit meeting protocols afterwards. Preparation and review require at least one hour.                                               |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                          |
| <p>Consultation (office hours) by appointment. The course PandA webpage will be available to download the course material.</p> <p>Please contact the instructor Bjorn-Ole Kamm &lt;kamm.bjornole.7e@kyoto-u.ac.jp&gt; for any questions regarding this course syllabus.</p> <p>*Please visit KULASIS to find out about office hours.</p> |

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| Course number                                                                                                                                                                                                                                                                                                                                                                             |  | U-LET36 3JK11 LE36                                       |                   |  |                                                             |                |                                    |                     |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                             |  | Foundations I-Seminar(VMC)<br>Foundations I-Seminar(VMC) |                   |  | Instructor's name, job title, and department of affiliation |                | Part-time Lecturer,CHOI, Jung Bong |                     |
| Target year                                                                                                                                                                                                                                                                                                                                                                               |  | 3rd year students or above                               | Number of credits |  | 2                                                           | Year/semesters |                                    | 2024/First semester |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                          |  | Thu.4,5                                                  | Class style       |  | special lecture<br>(Face-to-face course)                    |                | Language of instruction            | English             |
| Title                                                                                                                                                                                                                                                                                                                                                                                     |  | Millennial Zeitgeist & Auteurs of Korean Cinema          |                   |  |                                                             |                |                                    |                     |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                      |  |                                                          |                   |  |                                                             |                |                                    |                     |
| Im KwontaeK, Park Chanwook, Hong Sangsoo, Kim Kiduk, Lee Changdong, and Bong Junho. These are most outstanding and internationally acclaimed directors of South Korea at the dawn of 21st century. Course examines key works of the representative auteurs of Korean cinema against the backdrop of millennial zeitgeists such as diversity, ecology, equality, empathy, and hospitality. |  |                                                          |                   |  |                                                             |                |                                    |                     |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                       |  |                                                          |                   |  |                                                             |                |                                    |                     |
| This course help students to 1) grasp each auteur' s unique themes, styles, and perspectives manifest on their representative works; 2) explore how their cinematic works address the nation' s collective hope, aspiration, fear, and rage; and 3) see if they resonate with or deviate from global zeitgeist of new millennium.                                                         |  |                                                          |                   |  |                                                             |                |                                    |                     |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                            |  |                                                          |                   |  |                                                             |                |                                    |                     |
| Week 1, class 1<br>Millennial Zeitgeist, Auteurs and National Cinema                                                                                                                                                                                                                                                                                                                      |  |                                                          |                   |  |                                                             |                |                                    |                     |
| Week 2, class 2-3<br>Im KwontaeK' s Art                                                                                                                                                                                                                                                                                                                                                   |  |                                                          |                   |  |                                                             |                |                                    |                     |
| Week 3, class 4-5<br>Park Chanwook' s Vengeance                                                                                                                                                                                                                                                                                                                                           |  |                                                          |                   |  |                                                             |                |                                    |                     |
| Week 4, class 6-7<br>Hong Sangsoo' s Cannibalism                                                                                                                                                                                                                                                                                                                                          |  |                                                          |                   |  |                                                             |                |                                    |                     |
| Week 5, class 8-9<br>Kim Kiduk' s Sanctuary                                                                                                                                                                                                                                                                                                                                               |  |                                                          |                   |  |                                                             |                |                                    |                     |
| Week 6, class 10-11<br>Lee Changdong' s Community                                                                                                                                                                                                                                                                                                                                         |  |                                                          |                   |  |                                                             |                |                                    |                     |
| Week 7, class 12-13<br>Bong Junho' s Paradox                                                                                                                                                                                                                                                                                                                                              |  |                                                          |                   |  |                                                             |                |                                    |                     |
| -----<br>Continue to Foundations I-Seminar(VMC) (2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                 |  |                                                          |                   |  |                                                             |                |                                    |                     |

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| <b>Foundations I-Seminar(VMC) (2)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| Week 8, class 14<br>Student Presentation on the Term Paper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |
| Week 9, class 15<br>Guest Lecture on Korean Indie Film: Prof. Marc Raymond                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |
| 1) Film Viewing and Analytic Piece: (50%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| There will be a list of 3-4 films offered each week (between W2 and W7), one of which students must watch; the rest are very helpful to understand the core film but optional for private viewing<br>Then, write a total of 5 compact analytic pieces based on three key words that you consider central to the core film (2,000~2,500 words/each and account for 10% of your final grade/each)<br>Your keywords can draw on styles, themes, images, or philosophies while tackling key messages of the core film (and optionally in relation to the auteur's other films you have watched).<br>And your analytic piece must expound how 3 keywords of your choice are interconnected inside the film diegesis and mise-en-sc#232ne.<br>This task requires focused screening of film materials, careful analyses, and meticulous writings. Start working on it ASAP.<br>A hard copy of your writing is due by class meeting time each week. |  |  |  |  |  |  |  |
| 2) Class Participation and Presentations: 20%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |
| Students must maintain good standing and active participation at all time.<br>As a significant portion of class will be dedicated to discussion of films based on your analytic pieces, come prepared to share your findings, interpretations, and questions with other students.<br>Depending on the size of enrollment, each person may be responsible for one or two presentation/s of their analyses.<br>The length of presentation is 10-15 minutes, and you may use a power-point, though not necessary.<br>There is no feature-length screening in class; only select film clips and segments will be shown to facilitate in-class discussions.                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |
| 3) Final Term Paper (30%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Write an analytic paper of roughly 6~7,000 words in length (not counting charts/tables)<br>It must be a comparison/contrast of two auteurs covered in class, addressing most outstanding and unique qualities of the works under consideration.<br>It could cover any of the followings: esthetical, technical, politico-philosophical, socio-cultural or industrial aspects.<br>You can draw on relevant sources outside class. But make sure to have your own original analyses, perspectives, and arguments take center stage.<br>Due on June 14 by 6pm.                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |
| -----<br>Continue to Foundations I-Seminar(VMC) (3) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |



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| <b>Foundations I-Seminar(VMC) (3)</b>                                              |
| <hr/>                                                                              |
| <b>[Textbooks]</b>                                                                 |
| Not used                                                                           |
| <b>[References, etc.]</b>                                                          |
| (Reference books)<br>Reading Materials will be offered as PDFs in the course site. |
| <b>[Study outside of class (preparation and review)]</b>                           |
| Reading Materials will be offered as PDFs in the course site.                      |
| <b>(Other information (office hours, etc.))</b>                                    |
| *Please visit KULASIS to find out about office hours.                              |

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| <b>Course number</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          | U-LET36 3JK07 SE36 |                                  |   |                                                                    |                                                                                      |  |
| <b>Course title<br/>(and course title in English)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Skills for Transcultural Studies I-English<br>Skills for Transcultural Studies I-English |                    |                                  |   | <b>Instructor's name, job title, and department of affiliation</b> | Graduate School of Letters<br>Program-Specific Senior Lecturer, ERICSON, Kjell David |  |
| <b>Target year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3rd year students or above                                                               |                    | <b>Number of credits</b>         | 2 | <b>Year/semesters</b>                                              | 2024/First semester                                                                  |  |
| <b>Days and periods</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Wed.2                                                                                    | <b>Class style</b> | Seminar<br>(Face-to-face course) |   | <b>Language of instruction</b>                                     | English                                                                              |  |
| <b>Title</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Advanced skills for humanities research in English: reading, writing, and discussion     |                    |                                  |   |                                                                    |                                                                                      |  |
| <b>[Overview and purpose of the course]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| The goal of this course is to familiarize humanities-focused students with different genres of academic texts and to develop their abilities to express themselves to international audiences, both in writing and in speech. Simply put, by the end of the course students should be better able to participate in English-language research activities.                                                                                                                                                                                                                  |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| <b>[Course objectives]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| Students will develop their analytical skills and their understanding of how to organize research findings effectively. Intensive reading and writing practice will acquaint them with the vocabulary, grammatical structures, and modes of expression characteristic to academic papers. Presentations and discussions will improve their ability to express opinions about complex academic topics in English.                                                                                                                                                           |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| Study Focus: all.<br>Modules: Skills in Transcultural Studies I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| The primary assignments will be two 5-7 page essays. For the first essay, students will be making a persuasive argument. For the second essay, students will be doing a close analysis of a text (or texts), chosen in consultation with the instructor, on a topic related to their research interests. There will be several steps before submitting each essay. First, in the leadup to each essay students will complete three shorter writing exercises. Second, students will read one (or more) essays by their classmates, then provide written and oral feedback. |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| The final project, preparations for which we will discuss throughout the course, is a 10- to 15-minute presentation on a topic related to students' research interests. Essay 2 will provide material around which students can structure their presentations.                                                                                                                                                                                                                                                                                                             |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| 1. Introduction<br>2. Reading and Summarizing<br>3. Sentences and Paragraphs<br>4. The Structure of Arguments<br>5. Using Sources and Plagiarism<br>6. Coherence, Cohesion, and Clarity                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |
| <div style="text-align: right;">Continue to Skills for Transcultural Studies I-English(2) ↓ ↓</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                          |                    |                                  |   |                                                                    |                                                                                      |  |

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| <b>Skills for Transcultural Studies I-English(2)</b>                                                                                                                                                                                                                                                                                                                           |  |
| <div style="border-top: 1px dashed black; height: 10px;"></div> 7. Usage Rules and Style Suggestions<br>8. Peer Review Session 1<br>9. Academic Genres and Conventions<br>10. Modes of Presentation<br>11. Introductions and Conclusions<br>12. Strategies for Editing and Revision<br>13. Peer Review Session 2<br>14. Final Presentations<br>15. Discussing the Final Papers |  |
| Please note that the above content of the course is subject to change. A finalized plan will be determined based on student numbers and feedback.                                                                                                                                                                                                                              |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                   |  |
| Evidence of advanced English skills (a TOEIC score of 700 or higher).                                                                                                                                                                                                                                                                                                          |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                         |  |
| Class Participation: 15%<br>Exercises: 20%<br>Essay 1: 20%<br>Essay 2: 25%<br>Final Presentation: 20%                                                                                                                                                                                                                                                                          |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                             |  |
| Not used<br>Reading materials will be provided as PDF files.                                                                                                                                                                                                                                                                                                                   |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                      |  |
| <b>(Reference books)</b><br>Introduced during class                                                                                                                                                                                                                                                                                                                            |  |
| <b>(Related URLs)</b>                                                                                                                                                                                                                                                                                                                                                          |  |
| <a href="https://www.cats.bun.kyoto-u.ac.jp/">https://www.cats.bun.kyoto-u.ac.jp/</a>                                                                                                                                                                                                                                                                                          |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                       |  |
| Students will have to read the assigned papers, book chapters, etc, before they are scheduled for class discussion. They are expected to prepare their presentations and essays on their own; assistance with the selection of topics will be offered when necessary.                                                                                                          |  |
| <div style="text-align: right;">Continue to Skills for Transcultural Studies I-English(3) ↓ ↓</div>                                                                                                                                                                                                                                                                            |  |

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| Skills for Transcultural Studies I-English(3)         |
| (Other information (office hours, etc.))              |
| Office hours: by appointment.                         |
| *Please visit KULASIS to find out about office hours. |

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| <b>Course number</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              |                          |                                          |                                                                    |                                                                                      |  |  |
| <b>Course title<br/>(and course title in English)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Introduction-Focus I Seminar (SEG) B<br>Introduction-Focus I Seminar (SEG) B |                          |                                          | <b>Instructor's name, job title, and department of affiliation</b> | Graduate School of Letters<br>Program-Specific Senior Lecturer, ERICSON, Kjell David |  |  |
| <b>Target year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3rd year students or above                                                   | <b>Number of credits</b> | 2                                        | <b>Year/semesters</b>                                              | 2024/First semester                                                                  |  |  |
| <b>Days and periods</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Thu.3                                                                        | <b>Class style</b>       | special lecture<br>(Face-to-face course) | <b>Language of instruction</b>                                     | English                                                                              |  |  |
| <b>Title</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Issues in Environmental History: Nature, Knowledge, Place, and Surroundings  |                          |                                          |                                                                    |                                                                                      |  |  |
| <b>[Overview and purpose of the course]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                              |                          |                                          |                                                                    |                                                                                      |  |  |
| <p>When we conjure up "the environment" in our mind's eye, what do we see? Perhaps we envision mountains, trees, streams, and waves--scenes where humans don't appear or make only transient visits. Some of us could think about holistic linkages among all living creatures and their surroundings. Others among us may imagine how human societies have exploited and polluted relationships to non-human spaces. We might also "see" worldwide phenomena that are less obviously visible from a single vantage point, most notably climate change.</p> <p>This course invites us to reflect upon the multiplicity of environments and environmental thinking around the world, at a moment defined by global-scale environmental crises and human impacts. Some questions are: How have ways of understanding the environment, sustainability, and nature emerged, interacted, and changed? Can we study the world through approaches that go beyond human perspectives alone?</p>                                                                                                 |                                                                              |                          |                                          |                                                                    |                                                                                      |  |  |
| <b>[Course objectives]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |                          |                                          |                                                                    |                                                                                      |  |  |
| <ul style="list-style-type: none"> <li>The course will introduce you to the multi-stranded field of environmental history, which is animated by desires both to understand the past on its own terms and to bring the past to bear on present-day problems.</li> <li>The course will press us to think about how environmental ideas structure people's everyday lives and inform their political priorities. We will consider these issues by looking closely at recent English-language research related to the Japanese archipelago and its environs. We will explore how concepts of nature, human artifice, resources, pollution, science, conservation, war, and food have functioned in Japan. By the same token, we will survey "more-than-human" approaches to understanding environments. We are lucky in this course to have a rich space in which to pursue these possibilities on the ground: Kyoto and its surroundings.</li> <li>By the end of the course, you will be prepared to conduct research related to environmental history from new points of view.</li> </ul> |                                                                              |                          |                                          |                                                                    |                                                                                      |  |  |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                              |                          |                                          |                                                                    |                                                                                      |  |  |
| Week 1. Introduction<br><br>I. Approaches to Environmental History<br>Week 2. The Trouble with Wilderness<br>Week 3. Envirotech                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |                          |                                          |                                                                    |                                                                                      |  |  |
| <div> <div></div> <div>Continue to Introduction-Focus I Seminar (SEG) B(2) ↓ ↓ ↓</div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                              |                          |                                          |                                                                    |                                                                                      |  |  |

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| <b>Introduction-Focus I Seminar (SEG) B(2)</b>                                                                                                                                                                                                                                        |  |
| <div> <div></div> <div>Week 4. Climate History</div> </div>                                                                                                                                                                                                                           |  |
| II. Narrating Environmental Transformation<br>Week 5. Visualizing and Managing Land and Sea<br>Week 6. Changes in the Land<br>Week 7. Nature and Empire<br>Week 8. War<br>Week 9. The Archives of Environmental History                                                               |  |
| III. Environmentalisms<br>Week 10. Knowing Harm<br>Week 11. Conceptual Interlude 1<br>Week 12. Disaster<br>Week 13. Conceptual Interlude 2<br>Week 14. Environmentalisms                                                                                                              |  |
| Week 15. Presentations and Feedback                                                                                                                                                                                                                                                   |  |
| (Please note that the precise topics and order are both subject to change.)                                                                                                                                                                                                           |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                          |  |
| None                                                                                                                                                                                                                                                                                  |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                |  |
| Attendance, participation, and presentations in class (25%)<br>Short weekly reading responses (25%)<br>Final paper (50%)                                                                                                                                                              |  |
| To JDTS/MATS students: This is course can be taken as either reduced (4 ECTS) or full seminar (8 ECTS). Please indicate your ECTS requirement to the teacher.                                                                                                                         |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                    |  |
| At least one copy of the books should be available in the library and through the university's online subscriptions, although in some cases (particularly during the weeks where you are responsible for presenting) it may be advisable to purchase a new or used copy for yourself. |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                             |  |
| <b>(Reference books)</b><br>Introduced during class                                                                                                                                                                                                                                   |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                              |  |
| <ul style="list-style-type: none"> <li>Students are required to read through assigned readings and prepared for the discussions and presentations each week.</li> </ul>                                                                                                               |  |
| <div> <div></div> <div>Continue to Introduction-Focus I Seminar (SEG) B(3) ↓ ↓ ↓</div> </div>                                                                                                                                                                                         |  |

**Introduction-Focus I Seminar (SEG) B(3)**

- Students are expected to actively participate in preparations for the final project.

**(Other information (office hours, etc.))**

- Office hours will be held once a week at a fixed time (to be determined) and by appointment.

\*Please visit KULASIS to find out about office hours.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|-------------|-------------------|-------------------------------------------------------------|---|---------------------------------------|--|---------------------|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | U-LET18 23462 PJ36                                          |             |                   |                                                             |   |                                       |  |                     |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 英語学英文学(外国語実習)<br>English Language and Literature (Seminars) |             |                   | Instructor's name, job title, and department of affiliation |   | 立命館大学法学部 教授<br>JACKSON, Lachlan Rigby |  |                     |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 2nd year students or above                                  |             | Number of credits |                                                             | 1 | Year/semesters                        |  | 2024/First semester |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Wed.4                                                       | Class style |                   | Practical training<br>(Face-to-face course)                 |   | Language of instruction               |  | English             |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Language & Society: Sociolinguistics I                      |             |                   |                                                             |   |                                       |  |                     |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| What is the relationship between language and society? Why do people use languages in the ways that they do? Questions such as these are the concern of sociolinguists. This course is a content-based English course that will provide students with an introduction to fundamental sociolinguistics concepts. This content will be particularly useful to students aspiring to teach English in Junior high schools and high schools in Japan.                                                                                         |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| This is an interactive and communitive-orientated class aimed at developing the four macro skills (listening, speaking, reading, and writing). Students will be required to reflect on short weekly readings, draw on their own language learning experiences, and share their opinions on a range of sociolinguistics-related topics. Course content will challenge students to think about language teaching and learning from sociolinguistics-informed perspectives, and in so doing, help them develop as future language teachers. |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| Week Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 1 Introduction to the Course: “What is Sociolinguistics?”<br>Why do people use language in the ways they do?                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 2 Module 1 #8211 Language Variation: (1) Language & Gender                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 3 (2) Language & Region (Accent and Dialects)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 4 (3) Language & Social Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 5 (4) Language & Age                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 6 Module 2 #8211 Language & Culture: (1) Language & Identity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 7 (2) The Status of English in Japan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 8 (3) Is Japan a multilingual society?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 9 (4) Who/what is a “native-speaker” ?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 10 Module 3 #8211 Language & Change (1) Endangered Languages & language Death                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 11 (2) Neologisms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 12 (3) Language and Globalization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 13 (4) Global Englishes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 14 Presentation Workshop & Final Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| 15 Student Presentations and Feedback                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                             |             |                   |                                                             |   |                                       |  |                     |
| ----- Continue to 英語学英文学(外国語実習)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                             |             |                   |                                                             |   |                                       |  |                     |

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| 英語学英文学(外国語実習)(2)                                                                                                                                                                                                                                                                                                                                                                    |  |
| -----                                                                                                                                                                                                                                                                                                                                                                               |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                        |  |
| None                                                                                                                                                                                                                                                                                                                                                                                |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                              |  |
| Presentation 20%<br>Short Module Quizzes (3 x 10%) 30%<br>Final Test 20%<br>Reflective Journal (3 x 5%) 15%<br>Classwork 15%                                                                                                                                                                                                                                                        |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                  |  |
| Not used<br>There is no set text for this course. The instructor will provide students with worksheets and short weekly readings.                                                                                                                                                                                                                                                   |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                           |  |
| <b>(Reference books)</b><br>Edwards, J. 『Sociolinguistics: A Very Short Introduction』 (2013) ISBN:978-0199858613<br>『 』                                                                                                                                                                                                                                                             |  |
| <b>(Related URLs)</b>                                                                                                                                                                                                                                                                                                                                                               |  |
| languageonthemove.com (A great resource with many very short articles on issues relating to sociolinguistics)                                                                                                                                                                                                                                                                       |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                            |  |
| Students are expected to prepare for each class by completing the assigned short weekly reading tasks.                                                                                                                                                                                                                                                                              |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                                     |  |
| Full participation and interaction with other class members is very important in this course. Students will be required to engage in rroup and pair work during each class. As a part-time teacher, I do not have a contact hour. I am available just before, during, and after class if you wish to speak to me. You can also email me at this address: lockie@law.ritsumei.ac.jp. |  |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                                                                                                               |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|--|-------------------|-------------------------------------------------------------|------------------------------------------|--------------------------------|-------------------------|---------------------|---------|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | U-LET36 3JK11 LE36                                         |  |                   |                                                             |                                          |                                |                         |                     |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Foundations I-Seminar(VMC)<br>Foundations I-Seminar(VMC)   |  |                   | Instructor's name, job title, and department of affiliation |                                          | Part-time Lecturer,KIM, Suhyun |                         |                     |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 3rd year students or above                                 |  | Number of credits |                                                             | 2                                        | Year/semesters                 |                         | 2024/First semester |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Mon.1,2                                                    |  | Class style       |                                                             | special lecture<br>(Face-to-face course) |                                | Language of instruction |                     | English |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Women and Documentary in East Asia and Documentary Writing |  |                   |                                                             |                                          |                                |                         |                     |         |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |
| <p>In this seminar, we will learn about various women documentaries and writings from the 1990s to present. We will expand our knowledge on gender politics through the documentaries by female filmmakers with several questions in our mind: What is documentary? What is feminism theory? What is women's cinema? What is the relationship between “identity,” “gender,” “sex,” and “Asia”? In addition, while we watch documentaries, we will learn how to write and plan our own documentaries.</p> <p>Our goal is twofold: 1) overviewing cine-feminism theories and spanning almost three decades in East Asia focusing on South Korean female documentarists; 2) investigating how we could apply the theories to our own documentaries in our storytelling.</p> <p>This course consists of two section: each week, we watch a documentary, and the instructor will provide a short lecture. One student will present outlines of the assigned readings, after which, the entire class will engage in discussion of the reading materials. All students are expected to come to class having completed the week’s readings, and be prepared to discuss them. There will be some film screenings during classes.</p> |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |
| <p>This class will give students the tools to map the current state of gender politics, East Asian history, and women's cinema. In addition, it will offer students an opportunity to create their own documentary. All students will strengthen their ability to communicate clearly and make persuasive arguments in their documentary and writing. By the end of this course, students are expected to be able to:</p> <p>1) expand knowledge of issues women's cinema and analyze critical articles;<br/>2) draw on concepts from feminism and gender theory to analyze media culture in East Asia;<br/>3) make original arguments and support them with evidence and a logical chain of reasoning in an academic writing;<br/>4) communicate their ideas clearly in writing, discussions, and oral presentations;<br/>5) create their ideas in visual creation;<br/>6) Understand the importance of documentary making and yourselves. 7) Develop basic skills and strategies important in documentary filmmaking (audience and purpose analysis, organization, style, and editing)</p>                                                                                                                                |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |
| Lesson 1&2 Introduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |
| Continue to Foundations I-Seminar(VMC)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                            |  |                   |                                                             |                                          |                                |                         |                     |         |

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| <b>Foundations I-Seminar(VMC)(2)</b>                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |
| -----                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |
| Lecture: Film Theory and documentary                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |
| Screening 1: Troublers (2015) directed by Lee Young                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |
| Lesson 3&4 How to write a documentary: writing a Her(hi)story                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |
| [Reading Assignments] Presentation assignment<br>1.A Cinema of Pleasure: He Xiaopei’s Home Video Aesthetics and Queer Feminist Politics<br>2. The political aesthetics of the feminist documentary film (Julia Lesage) 3. Troublers-materials                                                                                    |  |  |  |  |  |  |
| [Screening] Screening 2: My own breathing by Byun Young-joo                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |
| Lesson 5&6 Women’s labor in documentary                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |
| [Reading Assignments] Presentation assignment<br>1.Labour Migration, Diasporic Intimacy and Belonging in Maren Wickwire’s Documentary Together Apart                                                                                                                                                                             |  |  |  |  |  |  |
| [Screening] Screening 3: Swany: A Record of the 1989 Asia Swany Protest Trip By Oh Doo-hee                                                                                                                                                                                                                                       |  |  |  |  |  |  |
| Lesson 7&8 Institutionalized women’s body                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |
| [Reading Assignments]<br>Presentation assignment:<br>1.Prostitution, peeing, percussion, and possibilities: Contemporary women documentary filmmakers and the city in South Asia                                                                                                                                                 |  |  |  |  |  |  |
| Screening 4: Grace Period by Kim Kyung-mook                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |
| Lesson 9&10 Family and women in documentary: Private documentary writing                                                                                                                                                                                                                                                         |  |  |  |  |  |  |
| [Reading Assignments] Presentation assignment:                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |
| 1.Caring Relations; a care ethics perspective on the activism of women in nonregular employment in Japan and South Korea through documentary films (Hui Tung YOW)<br>2. Judith Butler, “Chapter One: Subjects of Sex/Gender/Desire,” Gender Trouble: Feminism and Subversion of Identity (New York and London: Routledge, 1990). |  |  |  |  |  |  |
| Screening 5: Family in the Bubble by Ma, Minji                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |
| Lesson 11&12 Violence and Women                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |
| [Reading Assignments]                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |
| -----                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |
| Continue to Foundations I-Seminar(VMC)(3) ↓ ↓ ↓                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |

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| <b>Foundations I-Seminar(VMC)(3)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Presentation assignment: 1. Violence against Women and Girls: Female Filmmakers Critique the Menace<br/>2. Adolescents' Experiences and Coping with Sexism Affect both Female and Male Online Gamers in South Korea</p> <p>Screening 6: Cyber Hell: Exposing an Internet Horror</p> <p>Lesson 13&amp;14 Marriage and Women</p> <p>Reading Assignment: Construction of the female self in South Korean feminist documentaries Family Project: House of a Father (2001) and The Two Lines (2011)</p> <p>Screening 8: 2 Lines by Jimin</p> <p>Lesson 15 Student Presentations</p> <p>[Reading Assignments]<br/>1. <a href="https://medium.com/@dyk285/venice-immersive-2023-vr-reviews-9cc963cd5bb9">https://medium.com/@dyk285/venice-immersive-2023-vr-reviews-9cc963cd5bb9</a><br/>2. VR films #8211 to be announced Presentations: students' documentary plans</p> <p>Lesson 16 Special lecture: Diaspora and Women in History</p> <p>Screening 8: Trilogy of Gina Kim: Comfortless, Tearless, and American Town- VR film screening</p>                                                                                                                                                                                                                                                    |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p>(1) Active Participation-----20% (attendance 10% + participation 10%)<br/> (2) Documentary Plan-----10% You are asked to write a documentary plan (3-4 pages). Choose one topic from weeks 2-4 and write your documentary plan. Your plans must include the following sections: 1. Synopsis: Briefly summarize the project of the documentary, in your own words. Make sure you need your characters, stories and timeline in your plan. 2. Schedule Plan: Offer a schedule for your plan. You should include your shooting schedule.<br/> (3) Presentation of reading materials-----40% (1 or 2 articles)<br/> (4) Presentation on your documentary plan and progress-----10% -All presentations will be held on June 10th.-The total length of your presentation is 15 minutes.-Please come up with a one-page outline of your presentation, make copies of it and provide them to all classmates &amp; me in class.</p> <p>-Evaluations of presentations are based on the following aspects: 1.level of plan (focused, connected with any discourse related with our discussions in class)<br/> 2.adequate timeline (quality of plan, awareness of your own documentary plan)<br/> 3.organization of presentation<br/> 4. Creativity (Is your documentary interesting and creative?)</p> |
| <p style="text-align: right;">Continue to Foundations I-Seminar(VMC)(4) ↓ ↓ ↓</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



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| Course number                                                                                                                                                                                                                                                                                                                                                           |                                                             | U-LET18 23462 PJ36 |                                             |                                                             |                                      |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                           | 英語学英文学(外国語実習)<br>English Language and Literature (Seminars) |                    |                                             | Instructor's name, job title, and department of affiliation | Part-time Lecturer,LUDVIK, Catherine |         |
| Target year                                                                                                                                                                                                                                                                                                                                                             | 2nd year students or above                                  | Number of credits  | 1                                           | Year/semesters                                              | 2024/First semester                  |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                        | Wed.1                                                       | Class style        | Practical training<br>(Face-to-face course) |                                                             | Language of instruction              | English |
| Title                                                                                                                                                                                                                                                                                                                                                                   | Kyoto's Cultural Heritage, in English Part I                |                    |                                             |                                                             |                                      |         |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                    |                                                             |                    |                                             |                                                             |                                      |         |
| This course aims at cultivating students' general ability for reading, speaking, listening, and writing.                                                                                                                                                                                                                                                                |                                                             |                    |                                             |                                                             |                                      |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                     |                                                             |                    |                                             |                                                             |                                      |         |
| Through class discussions, written assignments, and presentations, this course will enhance the ability of the students to express in English their views on Kyoto's cultural heritage and its preservation.                                                                                                                                                            |                                                             |                    |                                             |                                                             |                                      |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                          |                                                             |                    |                                             |                                                             |                                      |         |
| 1. Preserving History: Universities and Museums—Kyoto University Museum<br>Reading: Kyoto Museums Guidebook (Kyoto City Board of Education, 1992), pp. 239-240.                                                                                                                                                                                                         |                                                             |                    |                                             |                                                             |                                      |         |
| 2. Shinto Shrines: Yoshida Jinja<br>Reading: John Breen and Mark Teeuwen, A New History of Shinto (Wiley&Blackwell, 2010), pp. 1-23.                                                                                                                                                                                                                                    |                                                             |                    |                                             |                                                             |                                      |         |
| 3. (a) Shinto Spring Festivals: Aoi Matsuri; (b) Discussion on Shinto in Contemporary Japan<br>Reading: Kansai Cool, pp. 43-48; Kyoto Lives, p. 24 “Inui Mitsutaka, Shrine Priest.”                                                                                                                                                                                     |                                                             |                    |                                             |                                                             |                                      |         |
| 4. Introduction to Buddhism: Commemorating the Life and Passing of the Buddha<br>Reading: Kyoto: A Cultural History, Chapter Three “City of Buddhism” pp. 37-59.                                                                                                                                                                                                        |                                                             |                    |                                             |                                                             |                                      |         |
| 5. Mt. Hiei, “Mother Mountain of Japanese Buddhism,” and its Circumambulating Monks<br>Reading: Kyoto Lives, p. 64 “Kate Connell–Mt. Hiei, Guardian Mountain.”<br>Assigned Viewing: “The Monks Risking Death On An Extraordinary Journey,” Journeymen Pictures ( <a href="http://www.youtube.com/watch?v=S06oMxdt40A">http://www.youtube.com/watch?v=S06oMxdt40A</a> ). |                                                             |                    |                                             |                                                             |                                      |         |
| 6. Group/Individual Presentations on Sects of Buddhism and Kyoto Temples<br>Readings: Kyoto: A Cultural History, Chapter Five “City of Zen” pp. 76-95; Kyoto Lives, pp. 70-71 “Matsuyama Daiko, Deputy Chief Priest, Taizo’ in Temple.”                                                                                                                                 |                                                             |                    |                                             |                                                             |                                      |         |
| 7. Discussion on Sects of Buddhism and Kyoto Temples                                                                                                                                                                                                                                                                                                                    |                                                             |                    |                                             |                                                             |                                      |         |
| 8. Zen Temples and Visual Arts: Daitokuji’ s annual airing of its hanging-scroll paintings; Taizoin’ s sliding screen painting project                                                                                                                                                                                                                                  |                                                             |                    |                                             |                                                             |                                      |         |
| ----- Continue to 英語学英文学(外国語実習)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                |                                                             |                    |                                             |                                                             |                                      |         |

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| <b>英語学英文学(外国語実習)(2)</b>                                                                                                                                                                                                                                                |  |
| -----                                                                                                                                                                                                                                                                  |  |
| Reading: Gregory P. A. Levine, Daitokuji: The Visual Cultures of a Zen Monastery, pp. 83-87.<br>Assigned Viewing: “Taizoin Hojo; Fusuma-e Painting Project” ( <a href="https://www.youtube.com/watch?v=x7JEA658doc">https://www.youtube.com/watch?v=x7JEA658doc</a> ). |  |
| 9. Pure Land Faith and Monthly Markets: Chionji<br>Reading: “Chionji” (handout)                                                                                                                                                                                        |  |
| 10. "Micro Temples": discussion on temple activities and economy in contemporary Japan<br>Readings: Kansai Cool, pp. 189-193; Kyoto Lives, pp. 34-35 “Kajita Shinsho, the Path to Honen-in.”                                                                           |  |
| 11. Group/Individual Presentations on Heian-Period Historical and Literary Figures<br>Reading: Kyoto: A Cultural History, Chapter One “City of Kanmu” pp. 1-19.                                                                                                        |  |
| 12. Discussion on Heian-Period Historical and Literary Figures<br>Reading: Kyoto: A Cultural History, Chapter Two “City of Genji” pp. 20-36; Kyoto Lives, p. 78 “Setouchi Jakucho--The Tale of Genji.”                                                                 |  |
| 13. Summer Festivals: Gion Matsuri—history and traditions<br>Reading: World Heritage document on “Yamahoko, the float ceremony of the Kyoto Gion festival.”                                                                                                            |  |
| 14. Summer Festivals: Gion Matsuri—visual arts                                                                                                                                                                                                                         |  |
| 15. Course Review                                                                                                                                                                                                                                                      |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                           |  |
| None                                                                                                                                                                                                                                                                   |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                 |  |
| Class attendance and participation in discussions (20%)<br>Written assignments (25%)<br>Class presentations (30%)<br>Review test (25%)                                                                                                                                 |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                     |  |
| All readings will posted on Panda.                                                                                                                                                                                                                                     |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                              |  |
| (Reference books)                                                                                                                                                                                                                                                      |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                               |  |
| Students will be assigned weekly readings (selected chapters of the textbooks and handouts) on various                                                                                                                                                                 |  |
| ----- Continue to 英語学英文学(外国語実習)(3) ↓ ↓ ↓                                                                                                                                                                                                                               |  |

英語学英文学(外国語実習)(3)

aspects of the cultural heritage and history of Kyoto, which will then be discussed in class.

**(Other information (office hours, etc.))**

\*Please visit KULASIS to find out about office hours.

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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | U-LET29 37231 LJ37                          |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 言語学(特殊講義)<br>Linguistics (Special Lectures) |  |                   | Instructor's name, job title, and department of affiliation |                                          | Graduate School of Letters<br>Program-Specific Senior Lecturer, Tao PAN |                         |                     |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 3rd year students or above                  |  | Number of credits |                                                             | 2                                        | Year/semesters                                                          |                         | 2024/First semester |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Mon.2                                       |  | Class style       |                                                             | special lecture<br>(Face-to-face course) |                                                                         | Language of instruction |                     | English |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Tocharian and Indo-European Linguistics     |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| This course offers an introduction to Tocharian languages and historical grammar of Indo-European languages. Based on the knowledge of Indo-European linguistics presented at the beginning of the course, synchronic and diachronic (historical) grammar of Tocharian including nominal and verbal systems will be explained. Reading materials include Sanskrit-Tocharian bilingual texts and Tocharian B Vinaya and Jataka with well-preserved parallel texts in Sanskrit and Chinese. |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| The participants will be able to read Tocharian manuscripts in Brahmi script, learn the basic grammar of Tocharian A and B as well as rudiments of Indo-European linguistics.                                                                                                                                                                                                                                                                                                             |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #01 Introduction: Discovery and History                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #02 Introduction: Indo-European linguistics and PIE part 1                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #03 Introduction: Indo-European linguistics and PIE part 2                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #04 Script and Manuscripts                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #05 Tocharian B: nominal system (case), verbal system (ending, present)                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #06 Tocharian B: nominal system (declension class), verbal system (subjunctive)                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #07 Tocharian B: nominal system (adjective, pronoun), verbal system (preterite)                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #08 Tocharian B: reading Sanskrit-Tocharian B bilinguals of Udanavarga                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #09 Tocharian B: reading Sanskrit-Tocharian B bilinguals of Udanavarga                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #10 Tocharian B: reading Tocharian B Vinaya                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #11 Tocharian B: reading Tocharian B Jataka                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #12 Tocharian A: grammar                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #13 Tocharian A: reading Vinaya                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #14 Tocharian A: reading Vinaya                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| Week #15 Feedback                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |
| ----- Continue to 言語学(特殊講義)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                             |  |                   |                                                             |                                          |                                                                         |                         |                     |         |

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| 言語学(特殊講義)(2)                                                                                                                                                             |  |
| -----                                                                                                                                                                    |  |
| <b>[Course requirements]</b>                                                                                                                                             |  |
| Sanskrit knowledge is desired, but not necessary.                                                                                                                        |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                   |  |
| Active participation in the classroom, review of studied materials, homework and final exam.<br>Assessment will be based on class performance (50%) and final exam (50%) |  |
| <b>[Textbooks]</b>                                                                                                                                                       |  |
| Instructed during class                                                                                                                                                  |  |
| <b>[References, etc.]</b>                                                                                                                                                |  |
| <b>(Reference books)</b><br>Introduced during class                                                                                                                      |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                 |  |
| Preparation of reading materials to be discussed and analysed in class.                                                                                                  |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                          |  |
| *Please visit KULASIS to find out about office hours.                                                                                                                    |  |

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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | U-LET13 21653 LJ36                           |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | インド古典学(講読)<br>Indological Studies (Seminars) |  | Instructor's name, job title, and department of affiliation |  | Graduate School of Letters<br>Program-Specific Senior Lecturer, Tao PAN |  |                         |  |                     |  |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 3rd year students or above                   |  | Number of credits                                           |  | 2                                                                       |  | Year/semesters          |  | 2024/First semester |  |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Thu.3                                        |  | Class style                                                 |  | reading<br>(Face-to-face course)                                        |  | Language of instruction |  | English             |  |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | German Reading in Indology and Buddhology    |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| We will read representative pieces of the German academic writing in the fields of Indology and Buddhology, in order to help the students develop abilities to read and understand academic German on their own. The purposes of the course include: (1) to introduce students into the disciplines of German Indology and Buddhology by means of the renowned academic works; (2) to familiarise them with the main stylistics of academic writings in German and with the features of German translations from Sanskrit; (3) to develop the students' abilities to read and understand German academic writings on their own. |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| Students will develop abilities to read and understand German academic writings on their own.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| Part I Background Knowledge (2 weeks)<br>Week #01 Tools & Tips<br>1.1. Lexika, Handbooks, Tools<br>1.2. Abbreviations (German, Latin, Bibliographic)<br>1.3. Conventions (Citation of Texts), Stylistics and Tones (e.g. wohl, vielleicht, nicht sicher)<br>Reference: PW, pw, SWTF, EWAia, Goto 1987; Bechert 1990 Abkürzungsverzeichnis zum buddhistischen Literatur;                                                                                                                                                                                                                                                         |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| Week #02 Introduction to German Indology<br>2.1. Vedic Studies, Indic Linguistics<br>2.2. Buddhist Studies<br>2.3. Jaina Studies<br>Reference: Bechert & von Simson 1993 Einführung in die Indologie; Windisch Geschichte der Sanskrit-Philologie und Indischen Altertumskunde; Vorwort in SWTF; Veröffentlichungen der Helmuth von Glasenapp-Stiftung<br>Website: <a href="https://www.harrassowitz-verlag.de/reihenwerk_249.shtml">https://www.harrassowitz-verlag.de/reihenwerk_249.shtml</a> ; <a href="https://whowaswho-indology.info">https://whowaswho-indology.info</a> ;                                              |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| Part II History of Scholarship (4 weeks)<br>Week #03 Indology in German<br>3.1. Important Scholars<br>3.2. Representative Works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |
| -----<br>Continue to インド古典学(講読)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                              |  |                                                             |  |                                                                         |  |                         |  |                     |  |

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| インド古典学(講読)(2)                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |
| 3.3. Reading Exercise<br>Reference: Rau Bilder der 135 deutschen Indologen;<br>Website: <a href="https://whowaswho-indology.info">https://whowaswho-indology.info</a> ;                                                                                                                                                                          |  |  |  |  |  |  |
| Week #04 Indology in German<br>4.1. Important Scholars<br>4.2. Representative Works<br>4.3. Reading Exercise<br>Reference: Rau Bilder der 135 deutschen Indologen;<br>Website: <a href="https://whowaswho-indology.info">https://whowaswho-indology.info</a> ;                                                                                   |  |  |  |  |  |  |
| Week #05 Indic Linguistics in German<br>5.1. Important Scholars<br>5.2. Representative Works<br>5.3. Reading Exercise<br>Reference: EWAia<br>Website: <a href="https://whowaswho-indology.info">https://whowaswho-indology.info</a> ;                                                                                                            |  |  |  |  |  |  |
| Week #06 Buddhist Studies in German<br>6.1. Important Scholars<br>6.2. Representative Works<br>6.3. Reading Exercise<br>Reference: SWTF                                                                                                                                                                                                          |  |  |  |  |  |  |
| Part III Reading Materials from Students (8 weeks)<br>Week #07 to #14 Read, Exercise & Analyse<br>The choice of texts depends on the participants' interest and specialisation. Various periods and styles of German Indological and Buddhological literature will be read, from essays to excerpts from monographs.<br><br>Week #15<br>Feedback |  |  |  |  |  |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
| Basic knowledge of German (e.g. completion of College German) is required.                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |
| Assessment will be based on class performance (50%) and final exam (50%)                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |
| Instructed during class                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |
| Continue to インド古典学(講読)(3) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |

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| インド古典学(講読)(3)                                                           |
| <b>[References, etc.]</b>                                               |
| (Reference books)<br>Introduced during class                            |
| <b>[Study outside of class (preparation and review)]</b>                |
| Preparation of reading materials to be discussed and analysed in class. |
| <b>(Other information (office hours, etc.))</b>                         |
| *Please visit KULASIS to find out about office hours.                   |

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| Course number                                                                                                                                                                                                                                                                                                                       |  | U-LET13 31633 LJ36                                     |                   |                                                             |                |                                                          |                     |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                       |  | インド古典学(特殊講義)<br>Indological Studies (Special Lectures) |                   | Instructor's name, job title, and department of affiliation |                | Graduate School of Letters<br>Professor,VASUDEVA, Somdev |                     |
| Target year                                                                                                                                                                                                                                                                                                                         |  | 3rd year students or above                             | Number of credits | 2                                                           | Year/semesters |                                                          | 2024/First semester |
| Days and periods                                                                                                                                                                                                                                                                                                                    |  | Tue.2                                                  | Class style       | special lecture<br>(Face-to-face course)                    |                | Language of instruction                                  | English             |
| Title                                                                                                                                                                                                                                                                                                                               |  | Introduction to Indian Aesthetics                      |                   |                                                             |                |                                                          |                     |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                |  |                                                        |                   |                                                             |                |                                                          |                     |
| This course is designed as a general introduction to the theory and practice of Indian aesthetics. It provides two things: 1) a historiographic survey of the most influential authors, works, and theories; and 2) a narrative account of the major debates and disputes that led to specific evolutions of doctrine and practice. |  |                                                        |                   |                                                             |                |                                                          |                     |
| [Course objectives]                                                                                                                                                                                                                                                                                                                 |  |                                                        |                   |                                                             |                |                                                          |                     |
| Students will be introduced to different styles of scholarship and different methods of analysis current in South Asian studies. The aim is to familiarise students with topics of ongoing debate and to provide them with tools to meaningfully engage with newly emerging literature.                                             |  |                                                        |                   |                                                             |                |                                                          |                     |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                      |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 1 What is our goal? Introduction to the sources and languages.                                                                                                                                                                                                                                                                 |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 2 The challenge of South Asian polyglossia, heteroglossia and hyperglossia. What is the point of historiography? How can we periodize and localize South Asia?                                                                                                                                                                 |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 3 Bharata’s Natyasastra, The Foundational Text, Theatre, Dance, Music, Poetry and Other Arts                                                                                                                                                                                                                                   |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 4 Early Development of the Rasa Theory                                                                                                                                                                                                                                                                                         |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 5 The Early Rhetoricians: Bhamaha and Dandin                                                                                                                                                                                                                                                                                   |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 6 Competing Categories I: Vamana and his Virtues; Defects; Textures; Styles                                                                                                                                                                                                                                                    |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 7 Competing Categories II: Rudrata and the Systematisation of Ornaments of Sound, Sense, and Both                                                                                                                                                                                                                              |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 8 Competing Categories III: Anandavardhana and the New Paradigm: Denotation, Implication, Suggestion, Sentiment                                                                                                                                                                                                                |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 9 The Synthesizers: Bhoja and Mammata                                                                                                                                                                                                                                                                                          |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 10 Ruyyaka and the Epistemology of Aesthetics                                                                                                                                                                                                                                                                                  |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 11 Sobhakara's Modal Aesthetics                                                                                                                                                                                                                                                                                                |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 12 Aesthetics as Theology: Visvanatha, Simhabhupala and the Bhakti Movements                                                                                                                                                                                                                                                   |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 13 Aesthetics and the New Style of Philosophy: Appayadiksita and Jagannatha                                                                                                                                                                                                                                                    |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 14 The Unexpected Return of Figurative Poetry                                                                                                                                                                                                                                                                                  |  |                                                        |                   |                                                             |                |                                                          |                     |
| Week 15 Concluding Summary                                                                                                                                                                                                                                                                                                          |  |                                                        |                   |                                                             |                |                                                          |                     |
| ----- Continue to インド古典学(特殊講義)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                             |  |                                                        |                   |                                                             |                |                                                          |                     |

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| インド古典学(特殊講義)(2)                                                                                                                                          |  |
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| <b>[Course requirements]</b>                                                                                                                             |  |
| Regular reading of assigned work and participation in the group discussions.                                                                             |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                   |  |
| In class, discussion and contextualization of the assigned readings (40%).One response paper to the discussions of the readings (30%). Homework (30%).   |  |
| <b>[Textbooks]</b>                                                                                                                                       |  |
| Sheldon Pollock 『A Rasa Reader』 (Columbia University Press. 2016) ISBN:978-0-231-54069-8                                                                 |  |
| <b>[References, etc.]</b>                                                                                                                                |  |
| <b>(Reference books)</b><br>Introduced during class                                                                                                      |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                 |  |
| The participants are expected to attend every class. The weekly readings of the short sections should take about one hour of preparation for each class. |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                          |  |
| pollock@uchicago.edu                                                                                                                                     |  |
| *Please visit KULASIS to find out about office hours.                                                                                                    |  |

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| <b>Course number</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 | U-LET13 21644 SJ36           |                                  |                                                                                |                                                          |         |  |
| <b>Course title<br/>(and course<br/>title in<br/>English)</b>                                                                                                                                                                                                                                                                                                                                                                                              | インド古典学(演習)<br>Indological Studies (Seminars)    |                              |                                  | <b>Instructor's<br/>name, job title,<br/>and department<br/>of affiliation</b> | Graduate School of Letters<br>Professor,VASUDEVA, Somdev |         |  |
| <b>Target year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3rd year students or above                      | <b>Number of<br/>credits</b> | 2                                | <b>Year/semesters</b>                                                          | 2024/First semester                                      |         |  |
| <b>Days<br/>and<br/>periods</b>                                                                                                                                                                                                                                                                                                                                                                                                                            | Tue.5                                           | <b>Class style</b>           | Seminar<br>(Face-to-face course) |                                                                                | <b>Language of instruction</b>                           | English |  |
| <b>Title</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               | Nyaya and Vaisesika Realist Philosophy in India |                              |                                  |                                                                                |                                                          |         |  |
| <b>[Overview and purpose of the course]</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                                 |                              |                                  |                                                                                |                                                          |         |  |
| This course is a Sanskrit reading course focussing on the Tarkasamgraha of Annambhatta composed in the 17th century. We will perform a close reading of the selected text and analyze the content paying attention to philosophical themes and controversies with rival schools of thought.                                                                                                                                                                |                                                 |                              |                                  |                                                                                |                                                          |         |  |
| <b>[Course objectives]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                 |                              |                                  |                                                                                |                                                          |         |  |
| The objective is to familiarize students to read specialized Sanskrit philosophical texts. Students will learn: 1) how to interpret the sutras and commentaries according to the criteria that guided the original authors, and 2) how to interpret the text according to contemporary philological, hermeneutic and philosophical theories. Students will be introduced to standard form of English translation commonly used to translate such material. |                                                 |                              |                                  |                                                                                |                                                          |         |  |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |                              |                                  |                                                                                |                                                          |         |  |
| week 1: padartha, dravya, guna<br>week 2: karma, samanya, visesa<br>week 3: samavaya, non-existence, the elements<br>week 4: time and space<br>week 5: the self<br>week 6: the mind, the sensory media<br>week 7: maturation<br>week 8: number, size<br>week 9: separateness, union<br>week 10: division<br>week 11: otherness and belonging<br>week 12: language<br>week 13: intellect and experience<br>week 14: cause and effect<br>week 15: reflection |                                                 |                              |                                  |                                                                                |                                                          |         |  |
| ----- Continue to インド古典学(演習)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |                              |                                  |                                                                                |                                                          |         |  |

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| インド古典学(演習)(2)                                                 |  |
| -----                                                         |  |
| <b>[Course requirements]</b>                                  |  |
| None                                                          |  |
| <b>[Evaluation methods and policy]</b>                        |  |
| participation in class. preparation and translation in class. |  |
| <b>[Textbooks]</b>                                            |  |
| Instructed during class                                       |  |
| <b>[References, etc.]</b>                                     |  |
| (Reference books)<br>Introduced during class                  |  |
| <b>[Study outside of class (preparation and review)]</b>      |  |
| Preparation of material before each week's reading.           |  |
| <b>(Other information (office hours, etc.))</b>               |  |
| *Please visit KULASIS to find out about office hours.         |  |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------|--|-------------------|-------------------------------------------------------------|------------------------------------------|-----------------------------------|-------------------------|---------------------|---------|--|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | U-LET18 23431 LJ36                                                   |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 英語学英文学(特殊講義)<br>English Language and Literature (Special Lectures)   |  |                   | Instructor's name, job title, and department of affiliation |                                          | 神戸学院大学 准教授<br>WROBETZ, Kevin Reay |                         |                     |         |  |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 2nd year students or above                                           |  | Number of credits |                                                             | 2                                        | Year/semesters                    |                         | 2024/First semester |         |  |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Tue.3                                                                |  | Class style       |                                                             | special lecture<br>(Face-to-face course) |                                   | Language of instruction |                     | English |  |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Academic Writing 1: Linguistics, Game Theory, and Social Interaction |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| This course will introduce students to the concepts of linguistics and game theory through the context of social interaction. Specifically, this course will help students understand how the English language underpins social interaction on a global scale and how the rules of social interaction directly affect the use of language. Throughout the course, students will actively participate in games which highlight different contexts of social interaction in the English language as well as discuss how game rules may be modified to achieve different contexts of social interaction in English. As this is a content-focused course taught through the medium of English, students will be expected to read a substantial amount of authentic academic materials in English, to summarize in their own words what they have read, and to engage in in-depth classroom discussion of the content. Much of the content of the course discussions and course materials will relate how the principles of linguistics and game theory may be applied to achieve a deeper understanding of intercultural communication in specific contexts. |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| This course will increase students' knowledge and understanding of the various roles that the English language plays in the world today, the sociocultural context of intercultural communication, and the inner mechanics of various games which influence how communication plays out. The active participation in games, group discussions, and presentations will develop students' oral communication skills and turn them into more confident English speakers, while the course materials will broaden students' vocabulary skills and general knowledge of the goals of intercultural communication, linguistics, game theory, and the significance of the context of intercultural communication.                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| Students will be given weekly reading assignments to prepare before each class. Classroom sessions will involve active participation in various games, short lectures to clarify relevant concepts, and group discussions to help students think critically about the main topics of the course. The course will evaluate students through the use of in-class comprehension activities and comprehension worksheets. Additionally, students will submit and present the content of a research essay to evaluate the students' ability to express in writing their understanding of and opinions regarding the course content.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| Week 1: Course Introduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| Week 2: Competition and the Spread of Disinformation A: Game Introduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| Week 3: Competition and the Spread of Disinformation B: Informed Majority Vs. Uninformed Minority                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |
| Continue to 英語学英文学(特殊講義)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                      |  |                   |                                                             |                                          |                                   |                         |                     |         |  |

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| 英語学英文学(特殊講義)(2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |
| Week 4: Competition and the Spread of Disinformation C: Language of Deception<br>Week 5: Competition and the Spread of Disinformation D: Class Discussion of Competitive Games<br>Week 6: Competition and the Spread of Disinformation E: Competition and Conspiracy (Us Vs. Them)<br>Week 7: Competition and the Spread of Disinformation F: The Prisoner's Dilemma and the Erosion of Trust<br>Week 8: Cooperation and Global Climate Change Coalitions A: Game Introduction<br>Week 9: Cooperation and Global Climate Change Coalitions B: From Each According to Their Ability<br>Week 10: Cooperation and Global Climate Change Coalitions C: Language of Teamwork<br>Week 11: Cooperation and Global Climate Change Coalitions D: Class Discussion of Cooperative Games<br>Week 12: Cooperation and Global Climate Change Coalitions E: Climate Change Coalition<br>Week 13: Cooperation and Global Climate Change Coalitions F: The Shapley Value and the Building of Trust<br>Week 14: Student Presentations on Essays<br>Week 15: Make-Up Lesson |  |  |  |  |  |  |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |
| Comprehension Worksheets: 10%<br>Essay: 20%<br>Oral Presentation: 20%<br>Class Participation: 60%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| All reading material and instructional media will be provided by the course instructor. Some of the reading material will focus on cooperative and competitive game theory (Von Neumann & Morgenstern).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |
| (Reference books)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |
| Weekly reading preparation for class discussion. Submission of comprehension worksheets based on the content of weekly readings, in-course instructional material, and lecture content. Research essay and final presentation will also be prepared outside of class.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |
| If students have any questions regarding this course, they are encouraged to contact the instructor at krwrobetz@gmail.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |



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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | U-LET30 17331 LJ45                                                                |             |                   |                                                             |   |                                                              |         |                     |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 社会学(特殊講義)<br>Sociology (Special Lectures)                                         |             |                   | Instructor's name, job title, and department of affiliation |   | Graduate School of Letters<br>Associate Professor,ASATO WAKO |         |                     |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | 3rd year students or above                                                        |             | Number of credits |                                                             | 2 | Year/semesters                                               |         | 2024/First semester |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Wed.5                                                                             | Class style |                   | special lecture<br>(Face-to-face course)                    |   | Language of instruction                                      | English |                     |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Welfare Regime and Cross-Border Migration in Asia: labor, marriage and evacuation |             |                   |                                                             |   |                                                              |         |                     |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| This course will discuss how welfare regimes intertwine with migration regimes in the process of rapid economic development and demographic change in Asian countries. One of the features of the Asian economic miracle was not only utilizing the demographic dividend and high educational attainment of its labor force but also accepting migrants, and domestic workers, in particular, to facilitate the participation of local women in the labor market. From the social policy side, liberal familism in Asian countries justified the maintenance of “family value” and the commercialization and externalization of reproductive work by recruiting foreign domestic workers as extra family members. Sometimes this familism triggered cross-border marriage for the formation of family welfare, which became the foundation of multiculturalism in some societies. In the process of demographic ageing, some Asian countries borrowed institutional frameworks of welfare states in Europe such as Korea, Japan, and Taiwan. Therefore, the divergence of the welfare regime of Asian countries is observed. |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| Students will receive basic instruction on welfare policy, migration policy and related policies in Asian countries and will understand how these institutional frameworks operate and their impact on individuals and society.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| A detailed plan for each class may be changed depending on the participants.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 1-2. Overview of population change: how births, marriage, ageing, labour force and the policies that underpin them have changed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 3. Economic development in Asia and population dynamics: what is behind the miracle?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 4-5. Overview of labor (im)migration in Japan: side-door and back door multiculturality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 6-7. Ageing and Welfare Regime: familization, marketization and communitarian approach                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 8-9. Marriage migration in Asia and global hypergamy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 10-11. Feminization of migration of Japan: economic development and entertainers migration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 12. Undocumented migrants in Japan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 13. Pandemic and migration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 14. Race to the Bottom: Characteristics on the global labor market                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| 15. Conclusion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |
| ----- Continue to 社会学(特殊講義)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                   |             |                   |                                                             |   |                                                              |         |                     |

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| 社会学(特殊講義)(2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| reflection papers(50%) and term paper or an exam(50%).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |
| Instructed during class<br>Papers and related documents will be distributed in class.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |
| Gosta Esping-Andersen, 1990, The Three Worlds of Welfare Capitalism, Princeton University.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |
| Gosta Esping-Andersen, 1999, Social Foundations of Postindustrial Economies, Oxford University Press.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |
| Peter M. Blau, 1986, Exchange and Power in Social Life, Routledge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |
| Rhacel Salazar Parrenas, 2011, Illicit Flirtations: Labor, Migration, and Sex Trafficking in Tokyo, Stanford University Press.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |
| Rhacel Salazar Parrenas, 2008, The Force of Domesticity: Filipina Migrants and Globalization, NYU Press.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |
| <b>(Reference books)</b><br>Goodheart, David, 2017, The Road to Somewhere: The Populist Revolt and the Future of Politics, London: Hurst & Co.<br>Hundt, David and Uttam Jitendra, 2017, Varieties of Capitalism in Asia: Beyond the Developmental State, London: Mcmillan Publishers.<br>Kim, Mason M.S., 2015, Comparative Welfare Capitalism in East Asia: Productivist Models of Social Policy, London: Macmillan Publishers.<br>Lan, Pei-Cha, 2006, Global Cinderellas: Migrant Domesticity and New Rich Employers in Taiwan, Durhan and London: Duke University Press.<br>Parrenas, Rhacel, S., 2001, Servants of Globalization: Women, Migration, and Domestic Work, Stanford: Stanford University Press.<br>Steger, Manfred B., 2014, “Approaches to the study of globalization,” Steger Mandred, Paul Battersby and Joseph Siracusa, eds., The SAGE Handbook of Globalization, London: Sage Publications Inc., 7-22. |  |  |  |  |  |  |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |
| Participants may be required to read papers related to the class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |
| Please make an appointment through the email below.<br>asato.wako.4c(@)kyoto-u.ac.jp<br>(@) indicates @.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |
| ----- Continue to 社会学(特殊講義)(3) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |

社会学(特殊講義)(3)

\*Please visit KULASIS to find out about office hours.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|-------------------|-------------------------------------------------------------|------------------------------------------|-------------------------------------------------------|-------------------------|---------------------|---------|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | U-LET32 28231 LJ34                                                    |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | 科学哲学科学史(特殊講義)<br>Philosophy and History of Science (Special Lectures) |  |                   | Instructor's name, job title, and department of affiliation |                                          | Graduate School of Letters<br>Professor,ISEDA TETSUJI |                         |                     |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 3rd year students or above                                            |  | Number of credits |                                                             | 2                                        | Year/semesters                                        |                         | 2024/First semester |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Fri.2                                                                 |  | Class style       |                                                             | special lecture<br>(Face-to-face course) |                                                       | Language of instruction |                     | English |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Advanced Introduction to Philosophy of Science                        |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| The aim of this special lecture is to introduce the participants into the field of philosophy of science using a recent textbook, Recipes For Science. The textbook covers basic topics of philosophy of science using many concrete examples from scientific practice. In this semester we go through chapters on the definition of science, experimental method, models, inference and probability. Through lectures and class discussions, this class try to convey the basic concerns of philosophy of science. |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| To understand philosophical way of looking at science. In particular, this means understanding philosophical arguments and positions covered in the lecture.                                                                                                                                                                                                                                                                                                                                                        |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| The lectures will be given in English, and structured according to the textbook.                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 1 The importance of science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 2 Defining science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 3 Recipes for science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 4 Experiment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 5 Controlled experiment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 6 Non-experimental method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 7 Models in science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 8 Varieties of models                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 9 Learning from models                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 10 Deductive reasoning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 11 Hypothesis testing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 12 Inductive and abductive reasoning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 13 Roles of statistics and probability                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 14 Probability theory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| 15 Wrap-up                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |
| ----- Continue to 科学哲学科学史(特殊講義)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                       |  |                   |                                                             |                                          |                                                       |                         |                     |         |

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| 科学哲学科学史(特殊講義)(2)                                                                                                                                                                                                                                                      |  |
| -----                                                                                                                                                                                                                                                                 |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                          |  |
| No background is required, but if you are not familiar with philosophy of science in general, please read some introductory book by yourself. Okasha's introductory book (Philosophy of Science: A Very Short Introduction) is recommended.                           |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                |  |
| The evaluation will be based on two papers (50% each). The papers can be either in Japanese or in English. The points of view of the evaluation are the understanding of the content of the class and appropriate application of the understanding to concrete cases. |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                    |  |
| Potochnik. A. et al. 『Recipes for Science: An Introduction to Scientific Methods and Reasoning』 (Routledge)                                                                                                                                                           |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                             |  |
| <b>(Reference books)</b><br>Introduced during class                                                                                                                                                                                                                   |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                              |  |
| Participants are expected to read the assigned reading before each class to be able to take part in the class discussion.                                                                                                                                             |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                       |  |
| Office Hour will be on Fridays 15:00-16:30.                                                                                                                                                                                                                           |  |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                 |  |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|-------------------|-------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|---------|--|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | U-LET01 35143 SJ34               |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 哲学(演習Ⅰ)<br>Philosophy (Seminars) |  |                   | Instructor's name, job title, and department of affiliation |                                  | Graduate School of Letters<br>Program-Specific Associate Professor, ONISHI TAKURO<br>Graduate School of Letters<br>Program-Specific Senior Lecturer, IGARASHI RYOSUKE |                         |                     |         |  |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 2nd year students or above       |  | Number of credits |                                                             | 2                                | Year/semesters                                                                                                                                                        |                         | 2024/First semester |         |  |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Mon.1                            |  | Class style       |                                                             | Seminar<br>(Face-to-face course) |                                                                                                                                                                       | Language of instruction |                     | English |  |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Philosophical Clarity            |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| We will learn how to think clearly in philosophy. To that end, we will study some of the foremost examples of clear philosophical prose produced by influential twentieth-century analytic philosophers. Among the topics covered are: mind-body identity, discourse on action, analysis of indirect discourse, formal logic and informal conversation.                                                                                                                                                                  |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| As we learn how to think clearly in philosophy, we will acquire accurate understanding of the analytic philosophical method and cultivate philosophical and linguistic abilities to enable us to engage in intellectual discussion of the highest degree of sophistication in English.                                                                                                                                                                                                                                   |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| *This class will be conducted with Prof. Takashi Yagisawa of California State University, Northridge as a guest lecturer online.*                                                                                                                                                                                                                                                                                                                                                                                        |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| We will read four articles, (1) - (4), in the order listed below and examine the arguments found in them. If time is left after reading the four articles, we may proceed to articles (5) and (6).                                                                                                                                                                                                                                                                                                                       |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| (1) Lewis, David K.,1966, ‘An Argument for the Identity Theory’ , The Journal of Philosophy 63: 17-25.<br>(2) Davidson, Donald, 1967, ‘The Logical Form of Action Sentences’ , in N. Rescher (ed.), The Logic of Decision and Action, Pittsburgh: University of Pittsburgh Press.<br>(3) Davidson, Donald, 1968, ‘On Saying That’ , Synthese 19: 130-46.<br>(4) Grice, H. P., 1975, ‘Logic and Conversation’ , in P. Cole and J. L. Morgan (eds.), Syntax and Semantics 3: Speech Acts, New York: Academic Press: 41-58. |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| (5) Gibbard, Allan, 1975, ‘Contingent Identity’ , Journal of Philosophical Logic 4: 187-221.<br>(6) Heller, Mark, 1984, ‘Temporal Parts of Four Dimensional Objects’ , Philosophical Studies: An International Journal for Philosophy in the Analytic Tradition 46: 323-34.                                                                                                                                                                                                                                              |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| Here is a provisional class schedule, subject to change at any time:                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| Date Reading<br>04/08 article (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |
| ----- Continue to 哲学(演習Ⅰ)(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                  |  |                   |                                                             |                                  |                                                                                                                                                                       |                         |                     |         |  |

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| 哲学(演習Ⅰ)(2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |
| 04/15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (1)                                  |
| 04/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (1)                                  |
| 04/29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | no class Showa Day holiday                   |
| 05/06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | no class Children's Day holiday (substitute) |
| 05/13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (2)                                  |
| 05/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (2)                                  |
| 05/27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (2)                                  |
| 06/03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (3)                                  |
| 06/10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (3)                                  |
| 06/17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (3)                                  |
| 06/24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (4)                                  |
| 07/01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (4) writing assignment announced     |
| 07/08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | article (4)                                  |
| 07/15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | no class Ocean Day holiday                   |
| 07/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | all wrapping it up                           |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |
| Ability to use English in listening, speaking, reading, and writing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |
| Active participation in class discussion and the term paper.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |
| See (授業計画と内容) above. All articles will be provided electronically free of charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |
| <b>(Reference books)</b><br>James Pryor's Guidelines on Reading and Writing Philosophy (online):<br><a href="http://www.jimpryor.net/teaching/guidelines/reading.html">http://www.jimpryor.net/teaching/guidelines/reading.html</a><br><a href="http://www.jimpryor.net/teaching/guidelines/writing.html">http://www.jimpryor.net/teaching/guidelines/writing.html</a><br><br>Angela Mendelovici's Sample Philosophy Paper (online):<br><a href="https://prezi.com/z4h1_fwilbxj/a-sample-philosophy-paper/">https://prezi.com/z4h1_fwilbxj/a-sample-philosophy-paper/</a>                                          |                                              |
| <b>(Related URLs)</b><br><a href="http://www.jimpryor.net/teaching/guidelines/reading.html">http://www.jimpryor.net/teaching/guidelines/reading.html</a> (James Pryor's Guidelines on Reading and Writing Philosophy)<br><a href="http://www.jimpryor.net/teaching/guidelines/writing.html">http://www.jimpryor.net/teaching/guidelines/writing.html</a> (James Pryor's Guidelines on Reading and Writing Philosophy)<br><a href="https://prezi.com/z4h1_fwilbxj/a-sample-philosophy-paper/">https://prezi.com/z4h1_fwilbxj/a-sample-philosophy-paper/</a> (Angela Mendelovici's Sample Philosophy Paper (online)) |                                              |
| ----- Continue to 哲学(演習Ⅰ)(3) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |

哲学(演習Ⅰ)(3)

**[Study outside of class (preparation and review)]**

Read the articles, and be prepared to ask questions and express opinions in class discussion.

**(Other information (office hours, etc.))**

You are encouraged to ask the instructor questions in class and/or via email. Office hours are held by appointment; email the instructor to make an appointment. All discussion in class and other communication concerning this course should be conducted in English. Do not be afraid to make a mistake (linguistic or philosophical). Keep a positive attitude about participation and speak up! Silence is NOT golden.

\*Please visit KULASIS to find out about office hours.

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                      | U-EDU01 31416 SE63    U-EDU01 31416 SE12    U-EDU01 31416 SE46 |                                              |                                                             |                                                                                                                                                                                                                 |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 発達科学講読演習<br>English Seminar on Developmental Science |                                                                |                                              | Instructor's name, job title, and department of affiliation | Graduate School of Education<br>Professor,MYOWA MASAKO<br>Graduate School of Education<br>Associate Professor,AKECHI HIRONORI<br>Graduate School of Education<br>Program-Specific Senior Lecturer,TANAKA YUKARI |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3rd & 4th year students                              | Number of credits                                              | 2                                            | Year/semesters                                              | 2024/First semester                                                                                                                                                                                             |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tue.1                                                | Class style                                                    | reading and seminar<br>(Face-to-face course) | Language of instruction                                     | English                                                                                                                                                                                                         |
| Common course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| Participants will independently select a research topic that centers on the science of human development and must deliver a presentation, which discusses relevant (English-language) articles from international journals. All participants must also engage in debate focusing on the content of the said articles. The class aims to enable students to have a good grasp of the fundamentals of their chosen field and a mastery of its trends through regular presentations. To improve their English presentation skills, these sessions will be entirely delivered in English (where appropriate, supplementary explanation in Japanese will be provided). We hope that this course attracts students with an interest in the scientific interpretation of typical and atypical human psychological functions and the processes by which they develop. |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| ・ Students should understand the academic trends in the science of development and have a full grasp of relevant basic knowledge<br>・ Students should have the diligence to search and be updated with the latest international journals on their fields of interest<br>・ Students should be proficient in doing presentations in English and be able to hold an academic discussion in English                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| First session: Orientation, class plan<br>Second to fourteenth session: Outline of relevant literature by each participant followed by a discussion involving the entire class (thirteen scheduled sessions)<br>Fifteenth session: Summary, feedback                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| [Course requirements]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| While there are no prerequisites for this class, we hope to attract students with an interest in development and education and those who want to improve their English presentation skills.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| [Evaluation methods and policy]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| [Evaluation method]<br>① Submission of an updated resume and presentation (40%)<br>② Class attendance and participation in discussions (60%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |
| ----- Continue to 発達科学講読演習(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                      |                                                                |                                              |                                                             |                                                                                                                                                                                                                 |

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| <b>発達科学講読演習(2)</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| [Evaluation guidelines]<br>Achievement of attainment targets is evaluated according to the Faculty of Education performance evaluation guidelines.                                                                                                                                                                                                                                                                                 |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Instructed during class                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>(Reference books)</b><br>Introduced during class                                                                                                                                                                                                                                                                                                                                                                                |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                                                                           |  |
| Students should read the article to be presented before each class. Alongside the sessions, students should, of their own accord, seek out academic journals and read articles closely related to the topics discussed in class and to subjects they have a personal interest in. To improve their English proficiency, students are also advised to view online presentations by leading researchers (e.g., TED Talks and CARTA). |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Related URL<br><a href="http://www.educ.kyoto-u.ac.jp/myowa/index.html">http://www.educ.kyoto-u.ac.jp/myowa/index.html</a> (Description of the research carried out by the Myowa Lab)                                                                                                                                                                                                                                              |  |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                                                                                                                                                              |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------|--|-------------------|-------------------------------------------------------------|----------------------------------|------------------------------------------------------|-------------------------|---------------------|---------|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | U-LAW00 21834 LE41                                                                                     |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 特別講義「European Private Law (European Union)」<br>Special Lecture - European Private Law (European Union) |  |                   | Instructor's name, job title, and department of affiliation |                                  | Graduate School of Law<br>Professor, Gabriele Koziol |                         |                     |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 2・3・4                                                                                                  |  | Number of credits |                                                             | 2                                | Year/semesters                                       |                         | 2024/First semester |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Tue.3                                                                                                  |  | Class style       |                                                             | Lecture<br>(Face-to-face course) |                                                      | Language of instruction |                     | English |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| This course deals with European Union private law, that is the body of private law rules set out in European Union (EU) legislation. The first part of the course will give an introduction to the European Union as such, its history, institutions and competences as well as to the sources and the enforcement of EU law. The second part of the course will deal with EU legislation in the area of consumer law, contract law, tort law and private international law, and the various legal questions involved. The course will conclude with an outlook on the prospects and limits of the harmonization and unification of private law in Europe. |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| <ul style="list-style-type: none"><li>• Obtain a basic knowledge of the EU.</li><li>• Obtain a basic knowledge of the most important EU legislation in the area of private law.</li><li>• Analyze fundamental legal questions from the viewpoint of EU private law.</li><li>• Understand the benefits and problems of legal harmonization.</li></ul>                                                                                                                                                                                                                                                                                                       |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| 1 Introduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| 2-6 Part One: European Union (1-2 classes will be spent on each of the following topics)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| <ul style="list-style-type: none"><li>• Historical development</li><li>• Institutions</li><li>• Competences / power-sharing between EU and member states</li><li>• Sources of law</li><li>• Enforcement of EU law</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| 7-13 Part Two: European Union Private Law (1-2 classes will be spent on each of the following topics)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| <ul style="list-style-type: none"><li>• Consumer law</li><li>• Contract law</li><li>• Tort law</li><li>• Private international law</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| 14 Outlook: Legal harmonization and unification in Europe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| (Final exam)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| 15 Feedback                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |
| ----- Continue to 特別講義「European Private Law (European Union)」(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                        |  |                   |                                                             |                                  |                                                      |                         |                     |         |

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| 特別講義「European Private Law (European Union)」(2)                                                                                          |
| -----                                                                                                                                   |
| <b>[Course requirements]</b>                                                                                                            |
| None                                                                                                                                    |
| <b>[Evaluation methods and policy]</b>                                                                                                  |
| Students will be evaluated on the basis of a final written exam (80 minutes) according to the evaluation guidelines of the law faculty. |
| <b>[Textbooks]</b>                                                                                                                      |
| Lecture materials will be provided in class.                                                                                            |
| <b>[References, etc.]</b>                                                                                                               |
| ( <b>Reference books</b> )<br>Introduced during class                                                                                   |
| <b>[Study outside of class (preparation and review)]</b>                                                                                |
| Students are recommended to have a look at the lecture materials provided for each class in advance.                                    |
| ( <b>Other information (office hours, etc.)</b> )                                                                                       |
| Students may contact me by email for appointments or questions regarding the course.                                                    |
| この科目は、令和3年度まで開講の「Introduction to European Law」と同一科目である。すでに「Introduction to European Law」の単位を修得している場合には、本科目の単位を修得しても、卒業に必要な単位としては認められない。 |
| *Please visit KULASIS to find out about office hours.                                                                                   |

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| <b>Course number</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                          | U-ENG23 13502 SE73           |                                  |                                                                                |                                                                                                                 |         |  |
| <b>Course title<br/>(and course<br/>title in<br/>English)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Exercises in Infrastructure Design<br>Exercises in Infrastructure Design |                              |                                  | <b>Instructor's<br/>name, job title,<br/>and department<br/>of affiliation</b> | Graduate School of Engineering<br>KANKEI KYOIN<br>Graduate School of Engineering<br>Associate Professor, AN RIN |         |  |
| <b>Target year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1st year students or above                                               | <b>Number of<br/>credits</b> | 2                                | <b>Year/semesters</b>                                                          | 2024/First semester                                                                                             |         |  |
| <b>Days<br/>and<br/>periods</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mon.1,Thu.1                                                              | <b>Class style</b>           | Seminar<br>(Face-to-face course) |                                                                                | <b>Language of instruction</b>                                                                                  | English |  |
| <b>[Overview and purpose of the course]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| The purpose of this course is to understand how Civil Engineering contributes to our society. For this purpose, this course firstly introduces the target area and new topics related to Civil Engineering with some examples from structural engineering, hydraulics, soil mechanics and planning. As part of the exercises, students are asked to survey one or several infrastructures in their countries and make a presentation. In some lectures students are also asked to discuss desirable social infrastructure with group members and make a presentation about the results. |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| <b>[Course objectives]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| To understand how Civil Engineering contributes to our society. Furthermore, throughout the exercises, it is expected to enhance the ability of scientific discussion, engineering problem solving, and scientific presentation.                                                                                                                                                                                                                                                                                                                                                        |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| Guidance (1 week)<br>Introduction to the course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| Introduction of Civil Engineering (4 weeks)<br>Specific areas in civil engineering are introduced with some real-life examples from different subjects.                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| Group exercise (4 weeks)<br>Students are divided into several groups and instructed to discuss the given issues related to social infrastructures.                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| Presentation (4 weeks)<br>Each group is asked to make a presentation about the issues (problems and solutions) based on their discussions.                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| Wrap-up discussion (1 week)<br>Summarizing the lecture contents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| Feedback (1 week)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |
| -----<br>Continue to Exercises in Infrastructure Design(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |                              |                                  |                                                                                |                                                                                                                 |         |  |

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| <b>Exercises in Infrastructure Design(2)</b>                                                        |  |
| -----                                                                                               |  |
| <b>[Course requirements]</b>                                                                        |  |
| None                                                                                                |  |
| <b>[Evaluation methods and policy]</b>                                                              |  |
| Grading is based on class participation, presentations, and a final report.                         |  |
| <b>[Textbooks]</b>                                                                                  |  |
| Printed handouts will be distributed as appropriate                                                 |  |
| <b>[References, etc.]</b>                                                                           |  |
| <b>(Reference books)</b>                                                                            |  |
| <b>[Study outside of class (preparation and review)]</b>                                            |  |
| Students are advised to review the handouts provided in the class and to work on their assignments. |  |
| <b>(Other information (office hours, etc.))</b>                                                     |  |
| *Please visit KULASIS to find out about office hours.                                               |  |



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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | U-ENG23 23504 LE57                             |  |                                                             |  |                                                              |  |                         |  |                     |  |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Fundamental Mechanics<br>Fundamental Mechanics |  | Instructor's name, job title, and department of affiliation |  | Graduate School of Engineering<br>Associate Professor,AN RIN |  |                         |  |                     |  |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 2nd year students or above                     |  | Number of credits                                           |  | 2                                                            |  | Year/semesters          |  | 2024/First semester |  |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Mon.4                                          |  | Class style                                                 |  | Lecture<br>(Face-to-face course)                             |  | Language of instruction |  | English             |  |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                |  |                                                             |  |                                                              |  |                         |  |                     |  |
| Newtonian mechanics and its application to engineering are interpreted with concentration on single particle, multi-partical system and rigid body. Especially,some mathematical approaches necessary for mechanics are introduced based on those mathematical knowledge learned in the first academic year. Meanwhile, the relationship between mechanical interpretation and mathematical treatment of some classical problems are specifically emphasized. Study of this lecture would not only make the students grasp basic principles of mechanics but also think more logically and systematically.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                |  |                                                             |  |                                                              |  |                         |  |                     |  |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                |  |                                                             |  |                                                              |  |                         |  |                     |  |
| As an intermediate course in mechanics at undergraduate level, this course aims at training students to think about mechanical phenomena in mathematical terms, developing an intuition for the precise mathematical formulation of mechanical problems and for the mechanical interpretation of the mathematical solutions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                |  |                                                             |  |                                                              |  |                         |  |                     |  |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                |  |                                                             |  |                                                              |  |                         |  |                     |  |
| Kinematics of a single particle in space,2回,algebra and calculus of vectors tangent and normal vectors to a curve definition of velocity and acceleration in 2-D motion by plane polar coordinates definition of velocity and acceleration in 3-D motion by cylindrical polar coordinates and spherical polar coordiantes Laws of motion,3回,Newton's laws of motion discussion of the general problem of 1-D motion linear differential equations with constant coefficient linear oscillations,resonance,principle of superposition discussion of the general problem of 2-D and 3-D motion Problems in particle dynamics,1回,the Law of Gravitation center of mass and center of gravity motion through a resisting medium constrained motion energy conservation,2回,energy theorems definition of potential energy, conservative force conservation of mechanical energy in 3-D conservative field energy conservation in constrained motion motion of a system of particles ,2回,degrees of freedom, energy principle linear momentum principle, conservation of linear momentum, collision theory and two-body scattering angular momentum principle, conservation of angular momentum Rotating reference frames,1回,transformation formulae particle dynamics in a non-inertial frame motion relative to the Earth multi-particle system in a non-inertial frame motion of rigid bodies ,2回,dynamical problem of the motion of a rigid body rotation about an axis statics of rigid bodies statics of structures equilibrium of flexible strings and cables equilibrium of solid beams angular momentum of a rigid body inertia and stress tensors foundation of analytical mechanics,1回,Constraint condition, constraint force,generalized coordinate, generalized force,Lagrange's equations. confirmation of achievement,1回,The achievement assessment is intended to measure students' knowledge, |  |                                                |  |                                                             |  |                                                              |  |                         |  |                     |  |
| -----<br>Continue to Fundamental Mechanics(2)↓↓↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                |  |                                                             |  |                                                              |  |                         |  |                     |  |

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| <b>Fundamental Mechanics(2)</b>                                                                                                                                                                                                                             |
| -----<br>skill and aptitude on the subject using quiz and viva-voce.                                                                                                                                                                                        |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                |
| calculus A and B, Linear Algebra A and B                                                                                                                                                                                                                    |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                      |
| Grade is evaluated based on the final examination, assignment, and class-discussion.                                                                                                                                                                        |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                          |
| Instructed during class<br>R.DOUGLAS GREGORY: Classical Mechanics, Cambridge University Press, 2006 isbn9780521534093                                                                                                                                       |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                   |
| <b>(Reference books)</b><br>Introduced during class<br>Keith R.Symon: Mechanics, Third edition, Addison-Wesley, 1971 isbn0201073927<br>Ferdinand P. Beer, E. Russell Johnston, etc.: Mechanics for Engineers, Dynamics, McGraw Hill, 2007 isbn9780072464771 |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                    |
| Students must preview and review related contents based on PPT materials downloaded from KULASIS                                                                                                                                                            |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                             |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                       |

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| Course number                                                                                                                                                                                                                                                                                                                                                    |  | U-ENG23 23505 LE55                                                                               |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                    |  | Prob. & Statistical Analysis & Exercises<br>Probabilistic and Statistical Analysis and Exercises |  |                   | Instructor's name, job title, and department of affiliation |                                  | Graduate School of Engineering<br>Associate Professor,KIM SUNMIN |                         |  |                     |  |
| Target year                                                                                                                                                                                                                                                                                                                                                      |  | 2nd year students or above                                                                       |  | Number of credits |                                                             | 2                                |                                                                  | Year/semesters          |  | 2024/First semester |  |
| Days and periods                                                                                                                                                                                                                                                                                                                                                 |  | Tue.3,4                                                                                          |  | Class style       |                                                             | Seminar<br>(Face-to-face course) |                                                                  | Language of instruction |  | English             |  |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                             |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| Theory and methodology of probabilistic and statistical analysis is introduced as a basic tool to cope with uncertainty in natural and social systems dealt with in global engineering. The main topics are concepts and basic theorems of probability, probability distributions and their uses, statistical estimation and testing, and multivariate analysis. |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| The goal is to understand fundamental theory of probability and to be capable of using well-known distributions in analysis and design. It is also required that students acquire knowledge of fundamentals of statistical population and samples, and principle of statistical estimation and testing.                                                          |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| [Probabilistic Analysis]                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 1. The Concepts of Probability                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 2. Conditional probability, Bayes's theorem                                                                                                                                                                                                                                                                                                                      |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 3. Random Variables and Probability Distributions                                                                                                                                                                                                                                                                                                                |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 4. Moment Generating Function, Multiple Random Variables                                                                                                                                                                                                                                                                                                         |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 5. Binomial Distribution and Geometric Distribution                                                                                                                                                                                                                                                                                                              |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 6. Poisson Distribution and Exponential Distribution                                                                                                                                                                                                                                                                                                             |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 7. Normal Distribution and Log-Normal Distribution                                                                                                                                                                                                                                                                                                               |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 8. Conversion of Random Variables                                                                                                                                                                                                                                                                                                                                |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| [Statistical Analysis]                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 9. The Concept of Statistical Analysis, Sample and Population                                                                                                                                                                                                                                                                                                    |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 10. Parameter Estimation with Statistics                                                                                                                                                                                                                                                                                                                         |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 11. Hypothesis Test with Large Sample                                                                                                                                                                                                                                                                                                                            |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 12. Hypothesis Test with Small Sample                                                                                                                                                                                                                                                                                                                            |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 13. Regression Analysis                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 14. Statistical Analysis with R                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| [Final Exam]                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| 15. Feedback                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| -----                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |
| Continue to Prob. & Statistical Analysis & Exercises(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                    |  |                                                                                                  |  |                   |                                                             |                                  |                                                                  |                         |  |                     |  |

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| <b>Prob. &amp; Statistical Analysis &amp; Exercises(2)</b>                                                                                                                                                                                                                           |  |
| -----                                                                                                                                                                                                                                                                                |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                         |  |
| Prerequisite courses are calculus and linear algebra.                                                                                                                                                                                                                                |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                               |  |
| Evaluation (6 levels grade) is based on written tests (final exam: 60%) and assignments (40%).                                                                                                                                                                                       |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                   |  |
| Not specified. Lecture notes will be provided during the class.                                                                                                                                                                                                                      |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                            |  |
| <b>(Reference books)</b><br>A.H.S. Ang and W.H. Tang: Probability Concepts in Engineering (Emphasis on Applications in Civil and Environmental Engineering), ISBN978-0-47-172064-5<br>William Navidi: Principles of Statistics (for Engineers and Scientists), ISBN978-0-07-016697-4 |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                             |  |
| Self-review is strongly recommended after each lecture.                                                                                                                                                                                                                              |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                      |  |
| No specific office hour. Email communication is preferred through [kim.sunmin.6x@kyoto-u.ac.jp].<br><br>*Please visit KULASIS to find out about office hours.                                                                                                                        |  |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------|----------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                            | U-ENG23 23506 LE73 |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Design for Infrastructure I<br>Design for Infrastructure I |                    |                                  | Instructor's name, job title, and department of affiliation | Graduate School of Engineering<br>Professor,UNO NOBUHIRO<br>Graduate School of Engineering<br>Professor,TAKAHASHI YOSHIKAZU<br>Graduate School of Engineering<br>Associate Professor,KHAYYER ABBAS<br>Graduate School of Global Environmental Studies<br>Associate Professor,TAKAI ATSUSHI |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2nd year students or above                                 | Number of credits  | 2                                | Year/semesters                                              | 2024/First semester                                                                                                                                                                                                                                                                        |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Thu.3                                                      | Class style        | Lecture<br>(Face-to-face course) |                                                             | Language of instruction                                                                                                                                                                                                                                                                    | English |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| Civil Engineering provides the essential technology and knowledge to construct and improve the infrastructure for our societies. Various science, technology, and knowledge are required to realize "convenient and comfortable cities", "safe countries to live in", "eco-friendly global society", and "sustainable civilization based on resources and energy". As an introduction to learn Civil Engineering, this course explains the essence of the four main fields of Civil Engineering (Structural Engineering, Hydraulics and Hydrology, Geotechnical Engineering and Planning and Management). Throughout the lectures and exercises including visiting lecturers, the student is expected to learn the essence of Civil Engineering and the ethics of engineering. |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| To understand that Civil Engineering is the organization of the technology and knowledge related to social capital improvement, prevention or mitigation of disasters, and creation of the built environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| Introduction to Civil Engineering (2 weeks)<br>The content of the course is introduced. Then, the study field of Civil Engineering including the latest topics and the ethic of Civil Engineers throughout the achievement of predecessors is introduced.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| Structural Engineering (3 weeks)<br>Civil Engineering is introduced from the viewpoint of Structural Engineering, which includes natural disasters and structural engineering, the introduction of new technology and research, collaboration with other fields, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| Hydraulics and Hydrology (3 weeks)<br>There will be three lectures corresponding to Hydraulic Engineering.<br>These three lectures provide the student with basic knowledge of hydraulics from an engineering perspective corresponding to mitigation/prevention of flood induced disasters in river and coastal areas, towards establishment of safe and sustainable water environments.<br>The fundamentals of hydraulic structure design related to hydrostatic analysis will be explained along with examples related to dams, weirs and floating bodies.                                                                                                                                                                                                                  |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| Geotechnical Engineering (3 weeks)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |
| ----- Continue to Design for Infrastructure I(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                            |                    |                                  |                                                             |                                                                                                                                                                                                                                                                                            |         |

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| <b>Design for Infrastructure I(2)</b>                                                                                                                                                                                                                                         |
| -----                                                                                                                                                                                                                                                                         |
| Civil Engineering is introduced from the viewpoint of Geotechnical Engineering, which includes soil mechanics, geo-hazard mitigation, geo-environment, international cooperation etc.                                                                                         |
| Planning and Management (3 weeks)<br>Civil Engineering is introduced from the viewpoint of designing and managing social Infrastructure, which includes asset management of social infrastructure, soft measures for traffic jams, logistic vehicles in the urban areas, etc. |
| Feedback (1 week)<br>Feedback is to confirm the students' understanding on the subject, knowledge, skill, and aptitude on the subject.                                                                                                                                        |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                  |
| No specific prior knowledge is required.                                                                                                                                                                                                                                      |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                        |
| Grade is evaluated comprehensively from reports for each lecture (including attendance) and a final examination. 50 percent of the final score is due to reports, and the other 50 percent from the final examination.                                                        |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                            |
| Handouts will be distributed as appropriate.                                                                                                                                                                                                                                  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                     |
| (Reference books)                                                                                                                                                                                                                                                             |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                      |
| Students are advised to go through the handouts provided in the class and work on their assignments.                                                                                                                                                                          |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                               |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                         |

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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | U-ENG23 33512 LE73                                                 |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Dynamics of Soil and Structures<br>Dynamics of Soil and Structures |  |                   | Instructor's name, job title, and department of affiliation |                                  | Disaster Prevention Research Institute<br>Professor,IGARASHI AKIRA<br>Disaster Prevention Research Institute<br>Professor,GOTOU HIROYUKI |                         |                     |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 3rd year students or above                                         |  | Number of credits |                                                             | 2                                | Year/semesters                                                                                                                           |                         | 2024/First semester |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Mon.2                                                              |  | Class style       |                                                             | Lecture<br>(Face-to-face course) |                                                                                                                                          | Language of instruction |                     | English |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| This course deals with fundamentals and application of vibration theory and elastic wave propagation in civil engineering.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| At the end of this course, students will be required to have a good understanding of:<br>- Vibration phenomena, response to dynamic loads, fundamental principle of vibration measurement, including manipulation of mathematical formulation and calculation.<br>- Treatment of vibration problems for multi-degree-of-freedom systems and elastic media.<br>- Fundamental properties of elastic waves that propagate in elastic media and layers.                                                                                                                        |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| Free and Force vibrations (2 weeks)<br>Definition of the natural period and damping ratio for single degree-of-freedom systems. Derivation of free vibration response.<br>Resonance curves and phase response curves for forced harmonic vibration. Frequency response characteristics.                                                                                                                                                                                                                                                                                    |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| Response to arbitrary input (2 weeks)<br>Evaluation of dynamic response to arbitrary forcing and earthquake excitation. Response spectra.                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| Vibration of MDOF systems (4 week)<br>Solution of equations of motions for 2-degree-of-freedom systems representing free vibration. Concept of normal vibration modes.<br>Relationship between the natural frequencies, normal vibration modes of multi-degree-of-freedom systems and eigenvalue analysis.<br>Vibration of multi-degree-of-freedom systems with damping. Analysis of MDOF systems using damping using normal vibration modes.<br>Modal analysis to evaluate the dyanmic response of multi-degree-of-freedom systems for harmonic and arbitrary excitation. |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| Vibration of continuum (1 week)<br>Vibration of shear beams. Flexural vibration. Wave equation. Solution of shear vibration problem.                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| Nonlinear vibration (1 week)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |
| -----<br>Continue to Dynamics of Soil and Structures(2)↓↓↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                    |  |                   |                                                             |                                  |                                                                                                                                          |                         |                     |         |

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| <b>Dynamics of Soil and Structures(2)</b>                                                                                                                                                                                                                                                                                                                       |
| -----<br>Fundamental properties of nonlinear dynamic response of structures associated with elasto-plastic behavior.                                                                                                                                                                                                                                            |
| Elastic wave (4 weeks)<br>The fundamental equation of elastic waves, the wave equation, and the characteristics of dilatational and shear waves are described.<br>The characteristics of plane waves propagating through elastic bodies and reflection/transmission at layer interfaces are described.<br>The surface waves and wave dispersion are introduced. |
| <<Examination>>                                                                                                                                                                                                                                                                                                                                                 |
| Feedback (1 week)<br>A feedback session on the class material and examination problems.                                                                                                                                                                                                                                                                         |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                    |
| Calculus, Linear algebra, Structural Mechanics I and Exercises                                                                                                                                                                                                                                                                                                  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                          |
| Based on the performance during the course (including homework) and the results of a final examination.                                                                                                                                                                                                                                                         |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                              |
| Not used; Class hand-outs are distributed when necessary.                                                                                                                                                                                                                                                                                                       |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                       |
| <b>(Reference books)</b>                                                                                                                                                                                                                                                                                                                                        |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                        |
| To be notified by instructor during his/her lecture.                                                                                                                                                                                                                                                                                                            |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                 |
| Office hours are not specified; Questions to instructors are accepted by appointment.<br><br>*Please visit KULASIS to find out about office hours.                                                                                                                                                                                                              |

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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | U-ENG23 33513 LE73                               |  |                                                             |  |                                                              |  |                         |  |                     |  |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Construction Materials<br>Construction Materials |  | Instructor's name, job title, and department of affiliation |  | Graduate School of Engineering<br>Associate Professor,AN RIN |  |                         |  |                     |  |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 3rd year students or above                       |  | Number of credits                                           |  | 2                                                            |  | Year/semesters          |  | 2024/First semester |  |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Mon.1                                            |  | Class style                                                 |  | Lecture<br>(Face-to-face course)                             |  | Language of instruction |  | English             |  |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                  |  |                                                             |  |                                                              |  |                         |  |                     |  |
| Knowledge and techniques to use construction materials, especially on concrete material, are introduced on micro-, meso- until macro-scale.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                  |  |                                                             |  |                                                              |  |                         |  |                     |  |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                  |  |                                                             |  |                                                              |  |                         |  |                     |  |
| The students are expected to understand the microstructure, properties, production and testing methods of concrete, steel, composite materials etc employed in civil engineering.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                  |  |                                                             |  |                                                              |  |                         |  |                     |  |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                  |  |                                                             |  |                                                              |  |                         |  |                     |  |
| introduction,1[回],Classification of materials, history of construction materials, ethics for civil engineers and current topics<br>crystal structure,1[回],Bond between atoms, ideal strength, dislocation, yield, and mechanical properties are introduced.<br>Metallic material,1[回],Mechanical properties of metals, steel, phase diagrams, Dislocations and metallic new materials<br>Corrosion & protection,1[回],durability, corrosion, deterioration mechanism, carbonation, chloride induced corrosion and corrosion protection<br>Cement,1[回],Types of cements, chemical composition, chemical compound, hydration, hydration heat and blended cement<br>admixtures,1[回],Chemical admixture, water-reducing admixture, air-entraining admixture, mineral admixture, pozzolanic reaction, latent hydraulic property and high-range admixture are introduced.<br>aggregate,1[回],Moisture condition, Chloride ion, Total chloride ion content, alkali-silica reaction and total alkali content<br>fresh concrete,1[回],Workability, rheology, consistency, segregation and mix design<br>hardened concrete,1[回],water cement ratio, compressive strength, flexural strength, tensile strength, durability and testing methods<br>mechanical properties of concrete,1[回],Interfacial transition zone in concrete,strength-porosity relationship, Behavior of concrete under various stress states,Dimensional Stability,<br>Non-destructive testing method,1[回],Surface hardness, ultrasonic pulse, thermography, half cell potential and polarization resistance<br>Special concrete,1[回],Fiber reinforced concrete, flowing concrete, MDF cement and mineral new materials<br>Polymer material,1[回],Resin, rubber, fiber, polymer concrete and organic new materials<br>review,1[回],review mainly on concrete and steel<br>achievement assesment,1[回],The achievement assessment is intended to measure students' knowledge, skill and aptitude on the subject using quiz. |  |                                                  |  |                                                             |  |                                                              |  |                         |  |                     |  |
| ----- Continue to Construction Materials(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                  |  |                                                             |  |                                                              |  |                         |  |                     |  |

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| <b>Construction Materials(2)</b>                                                                                                                                                                                                                                                                       |  |
| -----                                                                                                                                                                                                                                                                                                  |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                           |  |
| Knowledge of structural mechanics is required.                                                                                                                                                                                                                                                         |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                 |  |
| Reports and Final examination.                                                                                                                                                                                                                                                                         |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                     |  |
| Instructed during class<br>P.Kumar Mehta, Paulo J.M.Monteiro:Concrete microstructure, properties and materials, McGraw-Hill,2014 isbn9780071797870<br>William D. Callister, Jr. David G. Rethwisch:Materials science and engineering an Introduction, John Wiley amp Sons, Inc.,2014 isbn9781118477700 |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                              |  |
| <b>(Reference books)</b><br>Introduced during class<br>Students must download related materials from KULASIS                                                                                                                                                                                           |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                               |  |
| students are required to make preview and review based on handout and PPT give from KULASIS                                                                                                                                                                                                            |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                        |  |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                                  |  |

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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | U-ENG23 33514 LE73                                                             |  |                   |                                                             |                                  |                                                          |                         |                     |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Structural Mechanics II and Exercises<br>Structural Mechanics II and Exercises |  |                   | Instructor's name, job title, and department of affiliation |                                  | Graduate School of Engineering<br>Professor,KITANE YASUO |                         |                     |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 3rd year students or above                                                     |  | Number of credits |                                                             | 3                                | Year/semesters                                           |                         | 2024/First semester |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Mon.4,5                                                                        |  | Class style       |                                                             | Seminar<br>(Face-to-face course) |                                                          | Language of instruction |                     | English |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                |  |                   |                                                             |                                  |                                                          |                         |                     |         |
| Fundamentals of structural analysis based on energy principle.<br>Principle of virtual work and some energy principles for structural analysis.<br>Approaches for study of statically indeterminate structures.<br>Fundamentals of elastic stability.<br>Fundamentals of structural analysis by matrix methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                |  |                   |                                                             |                                  |                                                          |                         |                     |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                |  |                   |                                                             |                                  |                                                          |                         |                     |         |
| To solve structures such as truss and beam by the principle of virtual work/energy principles<br>To solve statically indeterminate structures by force method and displacement method<br>To understand the stability of equilibrium<br>To get the stiffness matrix of simple trusses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                |  |                   |                                                             |                                  |                                                          |                         |                     |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                |  |                   |                                                             |                                  |                                                          |                         |                     |         |
| Weak 1: Introduction, Work and energy<br>Weak 2: Principle of virtual work for rigid bodies<br>Weak 3: Principle of virtual work for deformable bodies<br>Weak 4: Principle of complementary virtual work (virtual force) - 1<br>Weak 5: Principle of complementary virtual work (virtual force) - 2<br>Weak 6: Castigliano ' s theorems<br>Weak 7: Reciprocal theorems and Influence lines<br>Weak 8: Learning level check and summary of the first half<br>Weak 9: Statically indeterminate structures, and Force method by compatibility equations - 1<br>Weak 10: Force method by compatibility equations - 2<br>Weak 11: Displacement method (matrix structural analysis): introduction<br>Weak 12: Displacement method (matrix structural analysis): truss<br>Weak 13: Displacement method (matrix structural analysis): beam<br>Weak 14: Stability of rigid body-elastic spring system<br><<Final Exam>><br>Weak 15: Feedback |  |                                                                                |  |                   |                                                             |                                  |                                                          |                         |                     |         |
| ----- Continue to Structural Mechanics II and Exercises(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                |  |                   |                                                             |                                  |                                                          |                         |                     |         |

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| <b>Structural Mechanics II and Exercises(2)</b>                                                                                                                                                 |  |
| -----                                                                                                                                                                                           |  |
| <b>[Course requirements]</b>                                                                                                                                                                    |  |
| Calculus A and B, Linear Algebra A and B, Structure mechanics I and Exercises                                                                                                                   |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                          |  |
| Grade is given based on the final examination, mid-term examination and reports.                                                                                                                |  |
| <b>[Textbooks]</b>                                                                                                                                                                              |  |
| To be informed by the lecturer in charge in his/her first lecture                                                                                                                               |  |
| <b>[References, etc.]</b>                                                                                                                                                                       |  |
| <b>(Reference books)</b><br>M. Matsumoto, E. Watanabe, H. Shirato, K. Sugiura, A. Igarashi, T. Utsunomiya, Y. Takahashi: Structure mechanics II, Maruzen Ltd. isbn{} {4621046403} (in Japanese) |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                        |  |
| Study exercise and assignment repeatedly.                                                                                                                                                       |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                 |  |
| Office hour (contact information and consultation hours) of the lecturer(s) will be given in his/her first lecture.                                                                             |  |
| *Please visit KULASIS to find out about office hours.                                                                                                                                           |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                            |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|-------------------|-------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|---------|
| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | U-ENG23 33515 LE73                         |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Continuum Mechanics<br>Continuum Mechanics |  |                   | Instructor's name, job title, and department of affiliation |                                  | Graduate School of Engineering<br>Associate Professor,KHAYYER ABBAS<br>Graduate School of Engineering<br>Associate Professor,Zhu Fan<br>Graduate School of Engineering<br>Associate Professor,IKARI HIROYUKI |                         |                     |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 3rd year students or above                 |  | Number of credits |                                                             | 2                                | Year/semesters                                                                                                                                                                                               |                         | 2024/First semester |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Tue.5                                      |  | Class style       |                                                             | Lecture<br>(Face-to-face course) |                                                                                                                                                                                                              | Language of instruction |                     | English |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                            |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |
| Continuum Mechanics is a branch of the physical sciences concerned with the deformations and motions of continuous media under the influence of external effects. The following basic items are explained with exercises such as fundamentals of tensor analysis, mathematical formulation of stress, strain, motion and displacement, conservation laws of continuous media (mass, momentum, angular momentum, energy conservation laws), constitutive laws of solids and fluids, principle of virtual work and minimum potential energy based on the calculus of variations and applications in elasticity, stress distribution, wave propagation and fluid dynamics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                            |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                            |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |
| Based on the clear understanding of the mathematical formulation on deformation, stress and constitutive laws, students are required to understand the derivation of the equation of motion, conservation laws of angular momentum and energy. Principle of energy, variational method and initial-boundary-value problems are appended for enhancing understanding through theoretical applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                            |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                            |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |
| Elementary knowledge on tensor analysis (1 time): Definition of tensors, Integral theorem, Material derivative over a material volume, Transformation of components of tensors, etc.<br>Stress, strain and strain rate tensors (1 time): Definition of stress, strain and strain rate tensors, Transformation of components of these tensor variables, invariants under coordinates transformation, Compatibility condition of strain, etc.<br>Mathematical formulation of conservation laws (2 times): Mathematical expression of conservation laws of continuous media (mass, momentum, angular momentum, energy)<br>Constitutive law of solids and fluids (2 time): Constitutive laws of elastic amp visco-elastic body and Newton fluids<br>Mid-term confirmation of understanding (1 time)<br>Principle of energy, variational method and initial-boundary-value problems (2 times): Principle of virtual work and minimum potential energy based on the calculus of variations as well as initial-boundary-value problems<br>Applications in elasticity and fluid dynamics (5 times): Applications in Elasticity and Fluid Dynamics. Stress distribution and Wave propagation in elastic body, Thermal convection and Lorentz Chaos, etc.<br>Class feedback (1 time): Achievement confirmation |  |                                            |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |
| -----<br>Continue to Continuum Mechanics(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                            |  |                   |                                                             |                                  |                                                                                                                                                                                                              |                         |                     |         |

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| <b>Continuum Mechanics(2)</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Basic knowledge of calculus and linear algebra studied in 1st-2nd year of study                                                                                                                                                                                                                                                                                                                                                                       |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Evaluation will be mainly based on written examinations including the mid-term and final examinations. Regular assignments taken during the class will also be considered.                                                                                                                                                                                                                                                                            |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Materials on the contents of this subject are uploaded via KULASIS or PandaA                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| <b>(Reference books)</b><br>P. Chadwick, quotContinuum Mechanics: Concise Theory and Problemsquot, Dover Publications isbn0486401804<br>A.J.M. Spencer, quotContinuum Mechanicsquot, Dover Publications isbn0486435946<br>G.E. Mase, quotSchaum#039s Outline of Continuum Mechanicsquot, McGraw-Hill isbn0070406634                                                                                                                                   |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Review of vector and matrix analysis is recommended.                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Assoc. Prof. Abbas Khayyer (Department of Civil and Earth Resources Engineering, Katsura C1-585)<br>khayyer@particle.kuciv.kyoto-u.ac.jp<br>Assoc. Prof. Hiroyuki Ikari (Department of Civil and Earth Resources Engineering, Katsura C1-101)<br>ikari@particle.kuciv.kyoto-u.ac.jp<br>Assoc. Prof. Fan Zhu (Department of Urban Management, Katsura C1-291)<br>zhu.fan.7m@kyoto-u.ac.jp<br><br>*Please visit KULASIS to find out about office hours. |  |



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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | U-ENG23 33517 LE73                                     |             |                   |                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                     |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Fundamentals of Hydrology<br>Fundamentals of Hydrology |             |                   | Instructor's name, job title, and department of affiliation |   | Graduate School of Management Professor, ICHIKAWA YUTAKA<br>Graduate School of Engineering Professor, TACHIKAWA YASUTO<br>Disaster Prevention Research Institute Professor, NAKAKITA EIICHI<br>Disaster Prevention Research Institute Professor, SAYAMA TAKAHIRO<br>Disaster Prevention Research Institute Associate Professor, YAMAGUCHI KOSEI<br>Graduate School of Engineering Associate Professor, YOROZU KAZUAKI |  |                     |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 3rd year students or above                             |             | Number of credits |                                                             | 2 | Year/semesters                                                                                                                                                                                                                                                                                                                                                                                                        |  | 2024/First semester |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Tue.3                                                  | Class style |                   | Lecture (Face-to-face course)                               |   | Language of instruction                                                                                                                                                                                                                                                                                                                                                                                               |  | English             |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                        |             |                   |                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                     |
| The fundamental concept of hydrology is the hydrological cycle, which is various scale physical processes of water movements in the atmosphere, land surfaces, and oceans. Solar energy and gravity forces play major roles for the hydrological cycle. Solar energy drives the dynamic processes of water vapor formation from oceans and land surfaces, and transport of vapor in the atmosphere. The vapor changes to liquid and fall on the land surfaces as precipitation, then the flow of water on and under the land surfaces are driven by gravity. Hydrology is the study of the movement of water on and under the land surface and its applications to mitigate water-related disasters, develop water resources and preserve the environment. In the class, basic hydrological processes such as solar radiation, precipitation, evapotranspiration, infiltration, surface and subsurface flow, and river flow are described.                                                                                                                                                                                                                                                          |  |                                                        |             |                   |                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                     |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                        |             |                   |                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                     |
| The aim of the course is to understand the basic hydrological processes to obtain the knowledge for analyzing hydrological phenomenon and the engineering background for water resources development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                        |             |                   |                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                     |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                        |             |                   |                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                     |
| The hydrologic cycle, 1time, The contents of the class is overviewed and the concept of the hydrological cycle is provided. The role of hydrology in the field of civil engineering is described.<br>Precipitation, 1time, The mechanism of precipitation is described. A numerical rainfall prediction model and the mechanism of radar rainfall observation are described.<br>Interception and infiltration, 1time, The process of precipitation interception by trees is introduced. Then the governing equation of unsaturated flow and the basic equations of potential infiltration are explained.<br>Groundwater flow, 1time, The mechanism of rainfall-runoff in mountainous slope The mechanism of groundwater is explained. The physical equation to represent groundwater flow is derived from the continuity and momentum equations of water flow.<br>Surface runoff, 3times, The mechanism of rainfall-runoff in mountainous slope is explained. The kinematic wave equation is derived from the momentum equation of water flow, and then the analytical solutions of the kinematic wave model are provided. Rainfall-runoff modeling using the kinematic wave equation is explained. |  |                                                        |             |                   |                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                     |
| ----- Continue to Fundamentals of Hydrology(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                        |             |                   |                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                     |

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| <b>Fundamentals of Hydrology(2)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| -----<br>Solar radiation and energy balance, 1time, Energy and water cycle driven by solar radiation is described. Basic mechanism of global warming and its influence on hydrologic cycle is introduced.<br>Evaporation and transpiration, 3times, The mechanism of water and energy cycle through evapotranspiration is described. Energy balance at land surface and the wind of boundary layer is introduced. Then, methods to measure the evapotranspiration is described.<br>Flood routing, 1time, The mechanism of flood routing is explained. Numerical representation method to represent channel network structure is introduced, then typical flow routing methods are described.<br>Hydrological model, 1time, A physically-based hydrological model which consists of various hydrological processes is described. Typical lumped hydrological models are also introduced.<br>Society and hydrology, 1time, How the hydrological sciences are related to the society is described through various examples.<br>Achievement confirmation, 1time, Quiz, report and the final examination is conducted to measure students' knowledge, skill and aptitude on the subject. |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| It is desirable to study Hydraulics (2nd year) and probability and statistical analysis (2nd year).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| The score is evaluated comprehensively with quiz, reports and the final examination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| An English text book is provided, which is compiled based of the text books used in Japanese hydrology class.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>(Reference books)</b><br>Introduced during class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Read the handouts to understand contents to be given in lectures and to gain deep understanding of unclear points of the lectures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Office hours are not provided. Questions from students will be accepted in the lecture room or via email. Contact information will be given at lectures.<br><br>*Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                    | U-ENG23 33519 LE73 |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Soil Mechanics II and Exercises<br>Soil Mechanics II and Exercises |                    |                                  | Instructor's name, job title, and department of affiliation |                         | Graduate School of Engineering<br>Professor,YASUHARA HIDEAKI<br>Graduate School of Engineering<br>Associate Professor,IWAI HIROMASA<br>Graduate School of Engineering<br>Associate Professor,HASHIMOTO RYOTA<br>Graduate School of Engineering<br>Associate Professor,Zhu Fan |  |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3rd year students or above                                         |                    | Number of credits                | 3                                                           | Year/semesters          | 2024/First semester                                                                                                                                                                                                                                                           |  |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Wed.1,2                                                            | Class style        | Seminar<br>(Face-to-face course) |                                                             | Language of instruction | English                                                                                                                                                                                                                                                                       |  |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Students are expected to learn consolidation and stress distribution in soils, shear strength of soils, lateral earth pressures, bearing capacity of shallow and deep foundations, slope stability, and soil dynamics. Fundamental analyses and design criteria of various geotechnical engineering problems are drilled through exercises.                                                                                                                                                                                                         |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| The course objective is to provide understanding of key engineering concepts and mechanical behaviors of soil materials including consolidation and soil improvement, load transmission in elastic medium, effect of excessive pore water pressure to shear strength, effective stress paths interpreted from conventional triaxial tests, lateral earth pressure acting on retaining walls, bearing capacity of foundations, stability of slopes and excavations, soil liquefaction, and dynamic characteristics of soils subjected to earthquake. |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Consolidaton, 2 times, Consolidation equation and its solution, consolidation test, and theory of ground improvement for enhancing consolidation                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Stresses in ground, 1 times, Boussinesq's elasticity solution, immediate settlement, and calculation of the settlement                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Shear strength, 2 times, Failure criteria, unconfined compressive strength, in-situ tests, triaxial compression tests, stress-strain curve, drainage behaviors, and effective stress paths                                                                                                                                                                                                                                                                                                                                                          |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Earth pressure, 2 times, Rankine's theory, Coulomb's theory, stability of retaining walls, and earth pressure acting on sheet pile wall                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Midterm exam, 0.5 times,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Bearing capacity, 1.5 times, Bearing capacity and design for shallow foundations, bearing capacity and design for pile foundations                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| Slope stability, 2 times, Stability analysis of infinite slope and slope with a circular slip surface, stability analysis with the slice method, and stability analysis of soft ground                                                                                                                                                                                                                                                                                                                                                              |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |
| ----- Continue to Soil Mechanics II and Exercises(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                    |                    |                                  |                                                             |                         |                                                                                                                                                                                                                                                                               |  |

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| <b>Soil Mechanics II and Exercises(2)</b>                                                                                                                                                                                                                                                                                                                      |
| -----                                                                                                                                                                                                                                                                                                                                                          |
| Soil dynamics and liquefaction, 2 times, Nature of seismic load, soil behavior under earthquake loading, mechanism of liquefaction, and prediction of liquefaction potential                                                                                                                                                                                   |
| Practice, 1 time, Problem solving in geotechnical engineering                                                                                                                                                                                                                                                                                                  |
| Class feedback, 1 time, Confirmation of understanding                                                                                                                                                                                                                                                                                                          |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                   |
| A required prerequisite is knowledge of soil mechanics. Soil mechanics I and Exercises (3508000) would be helpful as a prerequisite.                                                                                                                                                                                                                           |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                         |
| Grades will be evaluated comprehensively based on Final Exam (approx. 70%), Midterm exam and classworks (approx. 30%).                                                                                                                                                                                                                                         |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                             |
| Soil Mechanics I & II Tutorial Exercises<br>Soil Mechanics Laboratory Manual<br>Handouts distributed                                                                                                                                                                                                                                                           |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                      |
| <b>(Reference books)</b><br>Braja M. Das, "Fundamentals of Geotechnical Engineering", Cengage Learning<br>isbn9781111576752<br>Muni Budhu, "Soil Mechanics and Foundations", John Wiley & Sons, INC. isbn9780470556849<br>Isao Ishibashi, Hemanta Hazarika, "Soil Mechanics Fundamentals", CRC Press<br>isbn9781439846445<br>岡二三生著：土質力学演習（森北出版） isbn4627426607 |
| <b>(Related URLs)</b>                                                                                                                                                                                                                                                                                                                                          |
| <a href="http://geomechanics.kuciv.kyoto-u.ac.jp/lecture/text/kakomon.html">http://geomechanics.kuciv.kyoto-u.ac.jp/lecture/text/kakomon.html</a>                                                                                                                                                                                                              |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                       |
| Practice yourself from Tutorial Exercise                                                                                                                                                                                                                                                                                                                       |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                |
| Announced during classes                                                                                                                                                                                                                                                                                                                                       |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                                                                                          |
| ----- Continue to Soil Mechanics II and Exercises(3) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                     |

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| <b>Soil Mechanics II and Exercises(3)</b>                                                               |
| <hr style="border-top: 1px dashed black;"/>                                                             |
| <b>[Courses delivered by instructors with practical work experience]</b>                                |
| (1) Category<br>A course with practical content delivered by instructors with practical work experience |
| (2) Details of instructors ' practical work experience related to the course                            |
| (3) Details of practical classes delivered based on instructors ' practical work experience             |

|                                               |                                                                   |                    |  |  |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
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| Course number                                 |                                                                   | U-ENG23 33520 EE73 |  |  |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Course title<br>(and course title in English) | Exp on Soil M & Ex<br>Experiments on Soil Mechanics and Exercises |                    |  |  | Instructor's name, job title, and department of affiliation | Graduate School of Engineering<br>Professor,KISHIDA KIYOSHI<br>Disaster Prevention Research Institute<br>Professor,UZUOKA RYOSUKE<br>Disaster Prevention Research Institute<br>Professor,GOTOU HIROYUKI<br>Graduate School of Engineering<br>Associate Professor,IWAI HIROMASA<br>Disaster Prevention Research Institute<br>Associate Professor,UEDA KYOHEI<br>Graduate School of Engineering<br>Associate Professor,SAWAMURA YASUO<br>Graduate School of Global Environmental Studies<br>Associate Professor,TAKAI ATSUSHI<br>Graduate School of Engineering<br>Associate Professor,HASHIMOTO RYOTA<br>Graduate School of Global Environmental Studies<br>Assistant Professor,KATO TOMOHIRO<br>Graduate School of Engineering<br>Assistant Professor,KIDO RYUNOSUKE<br>Graduate School of Engineering<br>Assistant Professor,MIYAZAKI YUSUKE<br>Graduate School of Engineering<br>Program-Specific Assistant Professor,MIYOSHI TAKAKO |  |
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| <b>Exp on Soil M &amp; Ex(2)</b>                                                                                                                                                                                                                                                           |
| Hydraulic gradient, determination of hydraulic conductivity, flow net analysis, Sieve analysis for determining the particle size distribution curve                                                                                                                                        |
| Consolidation test, 1 time, Fundamentals of consolidation, laboratory tests, settlement-time relationship                                                                                                                                                                                  |
| Uniaxial compression test, 1 time, Stress-strain and strength behavior of clays                                                                                                                                                                                                            |
| Direct shear test, 1 time, Mohr-Coulomb failure criterion, laboratory tests for shear strength determination                                                                                                                                                                               |
| Sounding methods, 0.5 time, N-values of standard penetration test and elastic wave exploration                                                                                                                                                                                             |
| Centrifuge model test, 0.5, Experiments using the similitude law of centrifuge test                                                                                                                                                                                                        |
| Shaking table test, 1 time, Experiments using the shaking table test on dynamic behaviors of soils and foundations                                                                                                                                                                         |
| Computer exercise and numerical analysis, 2 times, Fundamentals of math and physics for geotechnical engineering                                                                                                                                                                           |
| Special lecture, 1 time, Special lecture on soil mechanics                                                                                                                                                                                                                                 |
| Exercise, 1 time, Practical applications of laboratory testing data                                                                                                                                                                                                                        |
| Class feedback, 1 time, Confirmation of understanding                                                                                                                                                                                                                                      |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                               |
| Soil Mechanics I and Exercises (3508000). It is recommended to take Soil Mechanics II and Exercises (3519000) in parallel.                                                                                                                                                                 |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                     |
| Students are expected to conduct all experiments. Full attendance to laboratories and submission of all reports are compulsory.                                                                                                                                                            |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                         |
| Soil Mechanics I & II Tutorial Exercises<br>Soil Mechanics Laboratory Manual<br>Handouts distributed                                                                                                                                                                                       |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                  |
| <b>(Reference books)</b><br>Braja M. Das 『Soil Mechanics Laboratory Manual』 (Oxford University Press) ISBN:9780190209667<br>Dante Fratta et al. 『Introduction to Soil Mechanics Laboratory Testing』 (CRC Press) ISBN: 9781420045628<br>『土質試験 基本と手引き 第三回改訂版』 (地盤工学会) ISBN:978-4-88644-127-0 |
| -----<br>Continue to Exp on Soil M & Ex(3) ↓ ↓ ↓                                                                                                                                                                                                                                           |

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| <b>Exp on Soil M &amp; Ex(3)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p>『地盤材料試験の方法と解説（第一回改訂版）』（地盤工学会）ISBN:978-4-88644-121-8</p> <p>『JAPANESE GEOTECHNICAL SOCIETY STANDARDS Laboratory Testing Standards of Geomaterials (Vol.1)』（Japanese Geotechnical Society）ISBN:4886448200</p> <p>『JAPANESE GEOTECHNICAL SOCIETY STANDARDS Laboratory Testing Standards of Geomaterials (Vol.2)』（Japanese Geotechnical Society）ISBN:4886448224</p> <p>『JAPANESE GEOTECHNICAL SOCIETY STANDARDS Laboratory Testing Standards of Geomaterials (Vol.3)』（Japanese Geotechnical Society）ISBN:4886448240</p> |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| It is recommended to read and grasp test procedures before each class.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>This class is intended mainly for students of the International Course, and will be delivered in English. You cannot join this class from middle of the semester.</p> <p>Contact: Instructors in charge of this subject will be informed in guidance.</p> <p>*Please visit KULASIS to find out about office hours.</p>                                                                                                                                                                                              |
| <b>[Courses delivered by instructors with practical work experience]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p>(1) Category<br/>A course with practical content delivered by instructors with practical work experience</p> <p>(2) Details of instructors ’ practical work experience related to the course</p> <p>(3) Details of practical classes delivered based on instructors ’ practical work experience</p>                                                                                                                                                                                                                 |

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| <b>Course number</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  | U-ENG23 33521 LE73   U-ENG23 33521 LE24   U-ENG23 33521 LE55 |                                                                                |                                                                                                                                                                                                                            |                     |
| <b>Course title<br/>(and course<br/>title in<br/>English)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Plan & Mng of S Sys<br>Planning and Management of Social Systems |                                                              | <b>Instructor's<br/>name, job title,<br/>and department<br/>of affiliation</b> | Disaster Prevention Research Institute<br>Professor,Cruz Ana Maria<br>Graduate School of Engineering<br>Associate Professor,QURESHI, Ali Gul<br>Graduate School of Engineering<br>Associate Professor,SCHMOECKER, Jan-Dirk |                     |
| <b>Target year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3rd year students or above                                       | <b>Number of<br/>credits</b>                                 | 2                                                                              | <b>Year/semesters</b>                                                                                                                                                                                                      | 2024/First semester |
| <b>Days<br/>and<br/>periods</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Thu.2                                                            | <b>Class style</b>                                           | Lecture<br>(Face-to-face course)                                               | <b>Language of instruction</b>                                                                                                                                                                                             | English             |
| <b>[Overview and purpose of the course]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| This lecture series explains why and how society can be regarded as a system and described with mathematical tools. Predicting changes in a society and influencing society in a desired direction are closely related to infrastructure planning and management. Basic concepts and frameworks of typical models that are indispensable for the analysis of (social) system states and trends are introduced. Moreover the lectures cover theories in social psychology and discuss how cultural differences impact infrastructure planning. |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| <b>[Course objectives]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| To provide students with a complex system perspective of society and to clarify the role of infrastructure planning and management. Further, to provide understanding of some typical mathematical and psychological models for system analysis.                                                                                                                                                                                                                                                                                              |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| Week 1: Introduction, Problems of infrastructure planning and management, and its methodology. Abstract of systems analysis and "physics of society".                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| Weeks 2-3: Markov models, Markov process. Transition probability matrix. Steady state.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| Weeks 4: Time-series predicting model, Serial correlation. Auto-Regressive model. AutoRegressive-Moving Average model.                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| Weeks 5-6: Queuing theory, single and multiple queues, examples for different M/D/k queues                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| Weeks 7-8: Game theory and general social dilemma situations, Strategic interdependency. Nash equilibrium. Typical models. Social dilemma situations and infrastructure planning.                                                                                                                                                                                                                                                                                                                                                             |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| Weeks 9-10: Social psychology and planning, Attitudes, values and their influence on behavior and planning                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| Weeks 11- 14: Hazard Analysis, Examples of major accident analysis; fault trees and event trees.                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
| This is followed by a final exam and feedback class.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |
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| Continue to Plan & Mng of S Sys(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                                                              |                                                                                |                                                                                                                                                                                                                            |                     |

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| <b>Plan &amp; Mng of S Sys(2)</b>                                                                                                                                                                                                                                                                                                                                          |
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| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                               |
| None                                                                                                                                                                                                                                                                                                                                                                       |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                     |
| Joined judgement of homeworks (45%) and end of term exam (55%).                                                                                                                                                                                                                                                                                                            |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                         |
| Handouts will be distributed in class as well as links for further reading on specific topics covered in the course.                                                                                                                                                                                                                                                       |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                  |
| <b>(Reference books)</b><br>Hillier, F.S. and Lieberman, G.J. (2015) Introduction to Operations Research. 10th Edition. McGraw Hill. isbn9781259253188<br>Straffin, P.D. (1993). Game Theory and Strategy. The Mathematical Association of America. New Mathematical Library. isbn0883856379<br>Further useful textbooks and materials are introduced during the lectures. |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                   |
| Handouts should be reviewed by students. For each of the three main parts of the course a homework will be given that reviews the class content.                                                                                                                                                                                                                           |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                            |
| Offices hours of the teachers are notified during the first class.                                                                                                                                                                                                                                                                                                         |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                                                                                                      |

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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | U-ENG23 33522 LE55    U-ENG23 33522 LE73                 |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Engineering Mathematics B2<br>Engineering Mathematics B2 |  |                   | Instructor's name, job title, and department of affiliation |                                  | Graduate School of Engineering<br>Associate Professor,SCHMOECKER, Jan-Dirk |                         |                     |         |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 3rd year students or above                               |  | Number of credits |                                                             | 2                                | Year/semesters                                                             |                         | 2024/First semester |         |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Fri.1                                                    |  | Class style       |                                                             | Lecture<br>(Face-to-face course) |                                                                            | Language of instruction |                     | English |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| This course deals with integral transformation, in particular Fourier analysis. It discusses Fourier series for periodic functions and its relation to integrable non-periodic functions. Once the student gets familiar with its characteristics, the course aims to develop the ability to apply Fourier analysis to various engineering problems. The lecture emphasises the relationship between the numerical analysis and civil engineering applications. |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| To get students acquainted with an understanding of Fourier series analysis and its basic concepts. Further, to get students familiar with the various types of partial differential equations and their applications.                                                                                                                                                                                                                                          |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| Week 1: Introduction, What is Fourier Analysis? How to apply it? Clarify the necessary background knowledge.                                                                                                                                                                                                                                                                                                                                                    |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| Weeks 2-5: Fourier series, A periodic function which is expanded into an infinite series of trigonometric functions is called a Fourier series. Convergence behaviour and series properties are discussed with specific example calculations.                                                                                                                                                                                                                   |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| Weeks 6-10: Fourier transform, Fourier analysis of non-periodic function leads to the Fourier transform. The first class of functions is the actual Fourier integral. The lecture discusses how it represents the non-periodic functions and shows the various properties of the Fourier transform. Students ability to use the Fourier transform is improved through examples. The relationship to the Laplace transform is further discussed.                 |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| Week 11-12: Numerical Fourier analysis, Fast Fourier transform (FFT) is a basic Fourier transform algorithm. In this lecture it is explained and a software illustration provided.                                                                                                                                                                                                                                                                              |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| Weeks 13-14: Application to Partial Differential Equations. In the last part of this course well known partial differential equations (Laplace equation, wave equation, heat equation, etc.) are discussed. The application of Fourier series and Fourier transform is discussed to obtain specific solutions to boundary value.                                                                                                                                |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| The course concludes with a final exam and feedback.                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |
| ----- Continue to Engineering Mathematics B2(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                          |  |                   |                                                             |                                  |                                                                            |                         |                     |         |

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| <b>Engineering Mathematics B2(2)</b>                                                                                                                                |  |
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| <b>[Course requirements]</b>                                                                                                                                        |  |
| Calculus, Linear Algebra, Engineering Mathematics B1.                                                                                                               |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                              |  |
| Participation and assignments and midterm (35%) and final exam (65%)                                                                                                |  |
| <b>[Textbooks]</b>                                                                                                                                                  |  |
| Handouts will be given in class. Textbooks and other material are introduced in class.                                                                              |  |
| <b>[References, etc.]</b>                                                                                                                                           |  |
| <b>(Reference books)</b>                                                                                                                                            |  |
| Pinkus, A. and Zafrany, S.: Fourier Series and Integral Transforms, Cambridge University Press.<br>isbn0521597714<br>Further material is introduced during classes. |  |
| <b>(Related URLs)</b>                                                                                                                                               |  |
| (None)                                                                                                                                                              |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                            |  |
| Regular homeworks will be given that review the class content.                                                                                                      |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                     |  |
| *Please visit KULASIS to find out about office hours.                                                                                                               |  |

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| Course number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                      | U-ENG23 33524 LE73 |                                  |                                                             |                                                                                                                                                                                                                              |  |
| Course title<br>(and course title in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Public Economics<br>Public Economics |                    |                                  | Instructor's name, job title, and department of affiliation | Disaster Prevention Research Institute<br>Professor,TATANO HIROKAZU<br>Graduate School of Engineering<br>Professor,OONISHI MASAMITSU<br>Graduate School of Global Environmental Studies<br>Assistant Professor,KOTANI HITOMU |  |
| Target year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3rd year students or above           | Number of credits  | 2                                | Year/semesters                                              | 2024/First semester                                                                                                                                                                                                          |  |
| Days and periods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Thu.1                                | Class style        | Lecture<br>(Face-to-face course) | Language of instruction                                     | English                                                                                                                                                                                                                      |  |
| [Overview and purpose of the course]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| The objective of this course is to acquire the basic concepts and theories of economics, and to understand the business valuation of social infrastructure projects and the supply and procurement mechanisms of public services. For this purpose, lectures will be given on the basic concepts of microeconomics and game theory to understand the concept of economic value of social infrastructures, i.e., infrastructure, and practical considerations on investment decisions in social infrastructures. In addition, students will learn about public procurement systems such as tendering and contracting, as well as economic issues related to the supply of administrative services, with the aim of acquiring the knowledge necessary for the management of public services. |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| [Course objectives]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| Students will acquire basic concepts and theories of economics, and understand the concepts related to project evaluation of social infrastructure projects and the system of supply and procurement of public services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| [Course schedule and contents]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| (1) Introduction [1 week]:<br>Significance of studying economics in infrastructure planning and management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| (2) Theoretical Foundations of Economics [4 weeks]:<br>Partial equilibrium analysis, general equilibrium analysis, public goods, externalities, market failure<br>Game theory, mechanism design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| (3) Cost-benefit analysis [3 weeks]:<br>Methodology for evaluating the economic benefits of infrastructure, practical infrastructure investment decisions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| (4) Theory of public goods supply [2-3 weeks]:<br>Mechanism design with monetary transfers, Lindahl mechanism, VCG mechanism, auction mechanism<br>VCG mechanism, auction mechanism, integrated evaluation method*, estimated price system*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| (5) Theory of public works contracts [3 weeks]<br>Adverse selection, moral hazard, risk sharing, incomplete contracts, specification rules vs. performance rules,<br>Boundary between public and private sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| (6) Provision of evacuation supplies for disaster recovery [1 week]<br>Mechanism design without monetary transfers: Non-divisional goods allocation matching and uniform rule, Evacuation goods supply mechanism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |
| -----<br>Continue to Public Economics(2)↓↓↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                    |                                  |                                                             |                                                                                                                                                                                                                              |  |

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| <b>Public Economics(2)</b>                                                                                                                                                                                                                                                           |
| -----<br><Final examination>> Feedback [1 time]<br>Feedback [1 time] Confirmation of the level of achievement regarding the contents of this lecture.                                                                                                                                |
| Note that * is an optional list of slightly advanced topics, which may be omitted depending on the student's level of understanding and the progress of the lecture. In addition, an exercise will be given only once to have each student check his/her own level of understanding. |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                         |
| It is desirable that students have taken the course of planning system analysis and practice.                                                                                                                                                                                        |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                               |
| Periodical tests and reports are comprehensively taken into consideration. (Periodic tests: 70 to 80%; reports: 20 to 30%)                                                                                                                                                           |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                   |
| Not used                                                                                                                                                                                                                                                                             |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                            |
| <b>(Reference books)</b><br>Hal R. Varian 『Intermediate Microeconomics : A Modern Approach, ninth Edition』 (W. W. Norton & Company) ISBN:9780393433975<br>Guillaume Haeringer 『Market Design: Auctions and Matching』 (MIT Press, 2018) ISBN: 9780262037549                           |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                             |
| Students are expected to review whether they have understood the contents of the class by working on one or two exercises assigned in each class.                                                                                                                                    |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                      |
| Questions and so forth will be accepted after the class. Questions can also be asked via e-mail to onishi.masamitsu.7e@kyoto-u.ac.jp.                                                                                                                                                |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                |

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| <b>Course number</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                | U-ENG23 33541 LE73       |                                                                    |                                                                                                                                                                                                                                                                                                                                               |                     |
| <b>Course title<br/>(and course title in English)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Hydraulics II<br>Hydraulics II |                          | <b>Instructor's name, job title, and department of affiliation</b> | Graduate School of Engineering<br>Professor,GOTOH HITOSHI<br>Graduate School of Engineering<br>Professor,HARADA EIJI<br>Graduate School of Engineering<br>Associate Professor,KHAYYER ABBAS<br>Graduate School of Engineering<br>Associate Professor,IKARI HIROYUKI<br>Graduate School of Engineering<br>Associate Professor,ONDA SHINICHIROU |                     |
| <b>Target year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3rd year students or above     | <b>Number of credits</b> | 2                                                                  | <b>Year/semesters</b>                                                                                                                                                                                                                                                                                                                         | 2024/First semester |
| <b>Days and periods</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tue.4                          | <b>Class style</b>       | Lecture<br>(Face-to-face course)                                   | <b>Language of instruction</b>                                                                                                                                                                                                                                                                                                                | English             |
| <b>[Overview and purpose of the course]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                          |                                                                    |                                                                                                                                                                                                                                                                                                                                               |                     |
| As a continuation to Hydraulics I and the Exercises, the essential topics in modern hydraulics and fluid mechanics are covered and discussed in detail. In particular, the mechanics of water surface waves, the shallow water flow equation and its applications, turbulence statistics and the closure problem of Reynolds equation are addressed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                          |                                                                    |                                                                                                                                                                                                                                                                                                                                               |                     |
| <b>[Course objectives]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |                          |                                                                    |                                                                                                                                                                                                                                                                                                                                               |                     |
| To learn and deepen the understanding of essential matters in modern hydraulics • fluid mechanics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                          |                                                                    |                                                                                                                                                                                                                                                                                                                                               |                     |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |                          |                                                                    |                                                                                                                                                                                                                                                                                                                                               |                     |
| <Lectures(Lec): 90 minutes: 1 time>.<br>Dynamics of water surface waves [Lec:4times]: Governing equations of water surface waves, solutions of small amplitude waves, long and deep water waves, wave groups and group velocities, mechanical energy of water surface waves, surface tension waves, two-dimensional waves.<br>Shallow water flow equation [Lec:2times]: Depth integration and derivation of shallow water flow equation, shallow water flow equation for rotating systems.<br>Intermediate examination and summary: Intermediate examination and summary of the first half are carried out.<br>Equation of coastal current [Lec:2times]: Derivation of the equation of coastal current and explanation of the physical meaning of radiation stress.<br>Turbulence statistics and Reynolds equation completion problem [Lec:5times]: Turbulence statistics, Kolmogorov's local isotropy theory, derivation of Reynolds stress equation, Boussinesq approximation and one and two equation turbulence models.<br>Achievement confirmation: Comprehensive assessment will be conducted.<br>Feedback |                                |                          |                                                                    |                                                                                                                                                                                                                                                                                                                                               |                     |
| -----<br>Continue to Hydraulics II(2) ↓ ↓ ↓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                          |                                                                    |                                                                                                                                                                                                                                                                                                                                               |                     |

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| <b>Hydraulics II(2)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Having taken the credits for [Hydraulics I and Exercises]. Having taken the credits for standard liberal arts mathematics, including calculus and basic linear algebra, and standard liberal arts physics, including mechanics and basic electromagnetism ([Fundamental Physics A], [Fundamental Physics B], and [Advanced Dynamics]).                                                                                                                                                                                 |  |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Grades will be based on a comprehensive assessment by the final exam and the intermediate exam (50 marks for the intermediate exam and 50 marks for the final exam, for a total of 100 marks).                                                                                                                                                                                                                                                                                                                         |  |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| <b>(Reference books)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Review of lecture content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Supplementary examination and reexamination will not be conducted. However, this excludes reasons such as unprecedented infectious diseases that the university requires that attendance be prohibited.<br>Lectures are conducted along with exercises. How to get in touch with instructors is announced during lecture and exercise. Information will be announced via Panda or KULASIS, etc.<br>* Please visit KULASIS to find out about office hours.<br><br>*Please visit KULASIS to find out about office hours. |  |



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| <b>Course number</b>                                                                                                                                                                                                                                                                                                    | U-ENG23 13544 LE14 U-ENG23 13544 LE73                                                                                    |                          |                                                                    |                                                                                                                |                     |
| <b>Course title<br/>(and course title in English)</b>                                                                                                                                                                                                                                                                   | Introduction to Civil, Environmental and Resources Eng<br>Introduction to Civil, Environmental and Resources Engineering |                          | <b>Instructor's name, job title, and department of affiliation</b> | Graduate School of Engineering<br>KANKEI KYOIN<br>Graduate School of Engineering<br>Associate Professor,AN RIN |                     |
| <b>Target year</b>                                                                                                                                                                                                                                                                                                      | 1st year students or above                                                                                               | <b>Number of credits</b> | 2                                                                  | <b>Year/semesters</b>                                                                                          | 2024/First semester |
| <b>Days and periods</b>                                                                                                                                                                                                                                                                                                 | Wed.4                                                                                                                    | <b>Class style</b>       | Lecture<br>(Face-to-face course)                                   | <b>Language of instruction</b>                                                                                 | English             |
| <b>[Overview and purpose of the course]</b>                                                                                                                                                                                                                                                                             |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| This class is a mandatory class for first year students. It includes guidance, small group seminars and a visit to the civil engineering facilities in Katsura campus                                                                                                                                                   |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>[Course objectives]</b>                                                                                                                                                                                                                                                                                              |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| To help students understand what it means to study at university.<br>To familiarize students with the topics covered in civil engineering.<br>To introduce the research covered in several research laboratories.<br>To help students get to know other students and academics and to learn to discuss in small groups. |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>[Course schedule and contents]</b>                                                                                                                                                                                                                                                                                   |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| Weeks 1-6; Small group seminars by different professors<br>Weeks 7-8; Individual guidance from faculty members<br>Week 9-13; Exercises, group homeworks<br>Week 14-15; Visit to Katsura campus, review of engineering facilities.                                                                                       |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>[Course requirements]</b>                                                                                                                                                                                                                                                                                            |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| None                                                                                                                                                                                                                                                                                                                    |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>[Evaluation methods and policy]</b>                                                                                                                                                                                                                                                                                  |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| Based on homeworks and participation                                                                                                                                                                                                                                                                                    |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>[Textbooks]</b>                                                                                                                                                                                                                                                                                                      |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| Instructed during class                                                                                                                                                                                                                                                                                                 |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>[References, etc.]</b>                                                                                                                                                                                                                                                                                               |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>(Reference books)</b><br>Introduced during class                                                                                                                                                                                                                                                                     |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>[Study outside of class (preparation and review)]</b>                                                                                                                                                                                                                                                                |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| Instructions will be given in class.                                                                                                                                                                                                                                                                                    |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| <b>(Other information (office hours, etc.))</b>                                                                                                                                                                                                                                                                         |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| Information will be given as part of the student guidance.                                                                                                                                                                                                                                                              |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |
| *Please visit KULASIS to find out about office hours.                                                                                                                                                                                                                                                                   |                                                                                                                          |                          |                                                                    |                                                                                                                |                     |