

Hokkaido University Syllabus

■ ■ Course Title

Inter-Graduate School Classes(Educational Program):PARE

■ ■ Subtitle

Seminar II for PARE: Populations-Activities-Resources-Environments Chain

■ ■ Instructor (Institution)

NEGISHI Junjiro (Faculty of Environmental Earth Science)

■ ■ Other Instructors (Institution)

BOWER John Richard (Faculty of Fisheries Sciences)
 IGARASHI Toshifumi (Faculty of Engineering)
 MATSUSHIMA Hajime (Research Faculty of Agriculture)
 KOIKE Satoshi (Research Faculty of Agriculture)
 TAKEDA Ryo (Faculty of Engineering)
 NEGISHI Junjiro (Faculty of Environmental Earth Science)
 OTAKE Tsubasa (Faculty of Engineering)

■ ■ Course Type		■ ■ Open To Other Faculties / Schools	OK
■ ■ Year	2021	■ ■ Semester	2nd Semester (Winter Term)
■ ■ Course Number		■ ■ Year of Eligible Students	101015
■ ■ Type of Class	Seminar	■ ■ Number of Credits	1
■ ■ Eligible Department / Class		■ ■ Other Information	~
■ ■ Numbering Code	IGS_IDS 5071		
■ ■ Major Category Code	■ ■ Major Category Title		
IGS_IDS	Inter-Graduate School Classes_Inter-Disciplinary Sciences		
■ ■ Level Code	■ ■ Level		
5	Specialized Subjects (basics) in graduate level (Master's Course and Professional Course), Inter-Graduate School Classes		
■ ■ Middle Category Code	■ ■ Middle Category Title		
0			
■ ■ Small Category Code	■ ■ Small Category Title		
7			

■ ■ Language Type

Classes are in English.

■ ■ Course list by the instructor with practical experiences

■ ■ Key Words

atmosphere, chemical substances, climate change, coasts, ecosystems, geochemical cycles, environments, erosion, food, geochemical cycles, geo-environment, GIS, green technology, groundwater, human activities, land, pollution, populations, poverty, resources, risk management, rivers, soil, sustainability, water, water cycle

■ ■ Course Objectives

In this course, students will prepare a master plan to achieve a target set by a group based on the results of an evaluation of the data and information collected in the "Field work training for PARE II" classes. The objective of the above activities is for students to improve their ability to discuss with students from different disciplines/fields in English, and to better organize and summarize their ideas.

The course is highly recommended for students who aspire to become researchers or technical experts engaged in the sustainable use of fossil fuels, metals, water, land and marine resources and/or who are considering a career in government, at an international organization, or in a company that operate internationally.

■ ■ Course Goals

By the end of this course, the student will be able to:

- 1) Discuss in English with other students majoring in different disciplines/fields about issues related to sustainable use and management of land, water, energy resources and food security in PARE chain, based on information and data collected and evaluated in "Field work training for PARE II" classes.
- 2) Set a group target through the above discussion.
- 3) Prepare a plan to achieve the above target, and present it.
- 4) Self-evaluate their achievements in relation to goals set before start of the course

■ ■ Course Schedule

Seminars: group discussions and presentations

*These seminars will be implemented in conjunction with "Fieldwork Training for PAREII" classes and will take the form of a summer/spring course lasting a week to 10 days in tentatively Indonesia. Scheduling will be based on five hours of activity/study per day to allow enough time for class preparation and review.

An example from the year 2019: Participants form groups prior to the program, prepare oral presentations about their own watersheds, and present them on the first day of the program. In the mid-term and final presentations, groups consisting of students from different countries discuss topics learned in coursework and field trips, prepare oral presentations, and make presentations. At the end of each lecture, students are to discuss among group members to deepen their understanding of the topics.

■ ■ Homework

Students participate in field work, which includes data collection and analysis. There are group discussions and presentations. Each student is also required to submit a written report. In addition, at the start of the course, students briefly introduce a river ecosystem in their home countries.

Plagiarism is taking credit for someone else's work whether deliberately or unintentionally. This includes turning in all or part of a report written by someone else (e.g., a friend, an internet source) and claiming it as your own, and including information or ideas from research material without citing the source. Students who, for whatever reason, plagiarize any part of their report will receive a zero for the assignment.

■ ■ Grading System

Grades will be determined based on a comprehensive assessment of:

- Oral presentations: 50%
- A final report: 30%
- Class participation & learning attitude: 20%

*Attendance percentage must be at least 80% for students to receive credit.

■ ■ Practical experience and utilization for classes

■ ■ Condition of tasking the subject

■ ■ Textbooks

テキスト・教科書指定なし。資料配布あり。No textbook required. Handouts will be distributed.

■ ■ Reading List

■ ■ Websites

■ ■ Website of Laboratory

■ ■ Additional Information

*This course is conducted in conjunction with "Fieldwork Training II for PARE: Population-Activities-Resources-Environments Chain "; students must enroll in both courses.

■ ■ Update

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