

Hokkaido University Syllabus								
Course Title								
Inter-Graduate School Classes(Educational Program):One program for Global Goals								
Subtitle								
SDGs Field study: Summer School in Japan (PARE)								
Instructor (Institution)								
NEGISHI Junjiro (Faculty of Environmental Earth Science)								
Other Instructors (Institution)								
NEGISHI Junjiro (Faculty of Environmental Earth Science) ARIMA Takahiko (Faculty of Engineering)								
Course Type				Open To Other Faculties / Schools				
OK								
Year	2026	Semester	1st Semester (Summer Term)	Course Number				
				101602				
Type of Class	Experiment	Number of Credits	2	Year of Eligible Students				
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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

The global population is expanding at the bottom of the wealth pyramid. Increased poverty leads to urbanization with enhanced human activity, which in turn causes resource depletion, greater environmental impacts, increased food shortages and deterioration of public sanitation, resulting in more poverty. This course will focus on the linkages between human activities and the environment in the above PARE (Populations-Activities-Resources-Environments) chain. The objective of this course is for students to gain the ability to understand and evaluate various issues in ASEAN countries related to PARE. Students will learn about these issues through lectures and field work.

Course Goals

By the end of this course, students will be able to (1) Collect data and information by sharing roles in fieldwork training with other students majoring in different disciplines/fields with diverse national and cultural backgrounds;(2) Properly evaluate and present collected data and information; and (3) Summarize the study results and propose possible solutions to the issues discussed in English

Course Schedule

The course is taught during July in Hokkaido (about 1 week long in total, but variable) and comprises lectures and field work training. Lecture topics cover site information, resource management, field survey techniques, and sampling methods of sampling and measurement. The field work training includes surveying, sampling, measuring and data processing.

Summary of previous Summer School schedules:

- Before the start of the course, students were divided into groups based on their home countries, and each group prepared presentation about a river in their home country. These presentations were given on the first day of the course.
- Students were then divided into teams comprised of members from different countries. These teams sampled water from the river together and gave final presentation (15-min long).
- The teams also participated in short discussions (approximately 30 min per group) following each of the lectures.

*Scheduling is based on five hours of activities/study per day.

Homework

Students participate in field work, which includes data collection and analyses. There are group discussions and presentations. Each student is also required to submit a written report. Some relevant papers and documents will be provided prior and/or during the program, which students are expected to read through. In addition, at the start of the course, students briefly introduce a river ecosystem in their home countries.

Grading System

Grades will be determined based on a comprehensive assessment of:

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

*The attendance percentage must be at least 80% for students to be qualified to be graded.

*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.

*Students will be assessed using a rubric assessment tool based on accomplishment criteria with levels of quality for expectations for their assignments and performance tasks.

Practical experience and utilization for classes

Condition of tasking the subject

Textbooks

Reading List

 Websites

<https://hokkaidosummerinstitute.olia.hokudai.ac.jp/en/courses/CourseDetail=G078>

 Website of Laboratory

<https://oggs.olia.hokudai.ac.jp/en/>

 Additional Information

This course is under PARE course of One program for Global Goals (OGGs) ; however, students who are not program participants may also join. Also, participation in the field trip may involve transportation costs (if concerned about the costs, please feel free to contact the lecturer in charge).

 Update

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 Class Method

face to face