Hokkaido University Syllabus					
Course Title					
Inter-Graduate School Classes(Educational Program):One program for Global GoalsInter-Graduate School Classes(Educational Program):OGGs					
Subtitle					
SDGs Internship/Field study: Spring School in ASEAN IV (PARE)					
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	2022	Semester	2nd Semester (Winter Term)	Course Number	101232
Type of Class	Experiment	Number of Credits	1	Year of Eligible Students	~
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 (hereafter PARE IV), 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 ""SDGs Internship/Field Study: Summer School in Japan III (PARE)" course (hereafter PARE III). 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, students will be able to
(1) Discuss in English with other students majoring in different disciplines/fields with diverse national and cultural backgrounds 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 the PARE III course;
(2) Set a group target through the above discussion; and
(3) Prepare a plan to achieve the above target, and present it

Course Schedule

The course is taught during February and/or March in Thailand or Indonesia in principle (5-7 days long in total, but variable); this may change to an online course according to COVID19 situation worsening. [Note: this course is taught concurrently with PARE III; students must enroll in both courses.]
The course 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 2021 Spring School (PARE III & IV together) schedule:
• The focus area of the course was waterbodies near Sapporo. Students attended seven lectures to learn about the river and about sampling methods in a hybrid style (Online for those abroad). This was followed by several day-trip field work, during which water samples were collected. Various parameters were measured and analyzed. Students eventually discuss and presented results based on the collected data and lecture knowledge.

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

The detailed style is flexibly decided according to COVID19 situation.

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.

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.

*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.

Practical experience and utilization for classes

Condition of tasking the subject

Textbooks

No textbook required. Handouts will be distributed.

Reading List

Websites

Website of Laboratory

https://pare.oia.hokudai.ac.jp/en/

Additional Information

*Mandatory Course (Course required to be taken together with this course):
- PARE III
- Those who intend to obtain OGGs/PARE related certificates need to take some of the Recommended Course below (contact PARE office for details)
*Recommended Course (Course highly recommended to be taken together with this course):
- SDGs Seminar: International Colearning PBL for problem solving; Introduction to SDGs: Awareness of Glocal Issues and International Collaboration; Introduction to SDGs: Population-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE)
*According to the COVID-19 situation, On-Campus classes will be switched to Online classes using Zoom or Webex.

Update

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