Hokkaido University Syllabus					
Course Title					
Inter-Graduate School Classes(Educational Program):One program for Global Goals					
Subtitle					
SDGs Advanced Field Study:Independent Research Experience on PARE(PARE)					
Instructor (Institution)					
NEGISHI Junjiro (Faculty of Environmental Earth Science)					
Other Instructors (Institution)					
BOWER John Richard (Faculty of Fisheries Sciences) MATSUSHIMA Hajime (Research Faculty of Agriculture) TAKEDA Ryo (Faculty of Engineering) NEGISHI Junjiro (Faculty of Environmental Earth Science) MARIA STEFANIE DWIYANTI (Research Faculty of Agriculture) ARIMA Takahiko (Faculty of Engineering) TOMA Yo (Research Faculty of Agriculture)					
Course Type				Open To Other Faculties / Schools	OK
Year	2026	Semester	Full Year (Irregular)	Course Number	101224
Type of Class	Experiment	Number of Credits	2	Year of Eligible Students	～
Eligible Department / Class				Other Information	
Numbering Code	IGS_IDS 9221				
Major Category Code	Major Category Title				
IGS_IDS	Inter-Graduate School Classes_Inter-Disciplinary Sciences				
Level Code	Level				
9	Others (e.g. study abroad)				
Middle Category Code	Middle Category Title				
2					
Small Category Code	Small Category Title				
2					
Language Type					
Classes are in English.					
Course list by the instructor with practical experiences					
EXCLUDED					

Key Words

environments， human activities, populations， resources, food, crop, animals, land, rivers, coasts, marine, soil, water, groundwater, geo-environment, water cycles, atmosphere, fossil fuel, metal, agriculture, forestry, fisheries, engineering, ecosystems, overfishing, poverty, famine, food satiation, self-sufficiency, sustainability, climate change, genetics & breeding,

seed production, chemical substances, pollution, risk management, pesticides, food additives, biorational pest control, sanitary insect control, zero-emission, internet, wireless network, green technology, low power consumption, internship

Course Objectives

The objective of this course is for students to develop practical skills to apply the knowledge and ability obtained through a series of courses on the
PARE issues (Population, Activities, Resources, and Environment) in specific research fields and/or in actual situations. Students will join projects as interns at universities, organizations, or private companies outside their home country to become researchers or technical experts engaged in the sustainable use of fossil fuels, metals, water, land, and marine resources.

Course Goals

By the end of this course, students will be able to develop practical skills to apply the knowledge and ability obtained through a series of courses on the PARE issues (“Introduction to SDGs: Awareness of Glocal Issues and International Collaboration”, “SDGs Internship/Field Study: Summer School in Japan”, and “SDGs Internship/Field Study: Spring School in ASEAN”) in specific research fields and/or in actual situations.

Course Schedule

The course plan and schedule will be set individually by consulting with supervisors at home and host universities/institutions (prior submission and approval is necessary before departure). The period of the internship abroad should be more than 3 months and include field-work training and/or laboratory work of more than 60 hours.

Homework

Prior consultation on the course plan and schedule is required. The student should submit a report of the training activity including the objectives, methods, results, discussion and conclusion.

Grading System

Grades will be given based on a comprehensive assessment of learning attitude and the reports.

Practical experience and utilization for classes

Condition of tasking the subject

Textbooks

Reading List

Websites

Website of Laboratory

Additional Information

Update

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Class Method

face to face