

北海道大学シラバス					
科目名					
大学院共通授業科目（教育プログラム）：One program for Global Goals					
講義題目					
SDGs実習：サマースクール in Japan（PARE）					
責任教員（所属）					
根岸 淳二郎 (大学院地球環境科学研究院)					
担当教員（所属）					
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科目種別		大学院共通授業科目		他学部履修等の可否	可
開講年度	2026	期間	1 学期（夏ターム）	時間割番号	101602
授業形態	実習	単位数	2	対象年次	～
対象学科・クラス				補足事項	
ナンバリングコード	IGS_IDS 5071				
大分類コード	大分類名称				
IGS_IDS	大学院共通授業科目（複合領域）				
レベルコード	レベル				
5	大学院（修士・専門職）専門科目（基礎的な内容の科目）、大学院共通授業科目				
中分類コード	中分類名称				
0	複合科学				
小分類コード	小分類名称				
7	その他				
言語					
英語で行う授業					
実務経験のある教員等による授業科目					

キーワード

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

授業の目標

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.

到達目標

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

授業計画

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.

準備学習(予習・復習)等の内容と分量

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.

成績評価の基準と方法

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.

有する実務経験と授業への活用

他学部履修の条件

テキスト・教科書

講義指定図書

参照ホームページ

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

■■ 研究室のホームページ

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

■■ 備考

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).

■■ 更新日時

2026/01/26 13:42:01

■■ 授業実施方式

対面授業科目《対面のみ》