

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：スプリングスクールin ASEAN (PARE)

■ 責任教員（所属）

武田 量（大学院工学研究院）

■ 担当教員（所属）

バウア・ジョン・リチャード（大学院水産科学研究院）

松島 肇（大学院農学研究院）

武田 量（大学院工学研究院）

根岸 淳二郎（大学院地球環境科学研究院）

MARIA STEFANIE DWIYANTI（大学院農学研究院）

有馬 孝彦（大学院工学研究院）

当真 要（大学院農学研究院）

■ 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	2学期（冬ターム）		■ 時間割番号
■ 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

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

■ 授業の目標

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.

■ 到達目標

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 (“SDGs Introduction to PARE”, “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.

■ 授業計画

The course is conducted annually during February and/or March in Thailand or Indonesia. This academic year (February 2027) will be conducted in Mahidol University, Thailand. The course length varies, but is generally about 2 weeks. The course comprises lectures and fieldwork training. Lecture topics cover sustainability, site information, resourcemanagement, field-survey techniques, and sampling methods. The fieldwork training includes surveying, sampling, measuring and data processing.

■ 準備学習(予習・復習)等の内容と分量

Students participate in fieldwork (data collection and analyses), group discussions, and group presentations. At the start of the course, students briefly introduce a river ecosystem in their home countries. At the end of the course, each student must submit a written report.

■ 成績評価の基準と方法

Grades will be determined based on a comprehensive assessment of the following:

- (1) Oral presentations: 50%
- (2) A final report: 30%
- (3) Class participation: 20%* Students must attend at least 80% of the course activities 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.

■ 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

No textbook required. Handouts will be distributed.

■ 講義指定図書

■ 参照ホームページ

■ 研究室のホームページ

 備考

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.

 更新日時

2026/01/14 16:56:32

 授業実施方式

対面授業科目《対面のみ》