

## OGGs Partners Universities

### PARE Course



Kasetsart University



Chulalongkorn University



Institut Teknologi Bandung



Mahidol University



SIIT, Thammasat University



Universitas Gadjah Mada



Institut Pertanian Bogor

### RJE3 Course



Far Eastern Federal University



Pacific National University



Sakhalin State University



North-Eastern Federal University



Irkutsk State University

※We have paused institutional exchange with Russian universities for the time being.

### STSI Course



Indian Institute of Technology Hyderabad



Indian Institute of Technology Bombay



Indian Institute of Technology Madras

## OGGs Central Office Contact



Student Communication Station 1F, Student Exchange Division  
Academic Affairs Department, Hokkaido University  
Kita 15, Nishi 8, Kita-ku, Sapporo 060-0815 Hokkaido

- E-mail address [oggs@oia.hokudai.ac.jp](mailto:oggs@oia.hokudai.ac.jp)
- Website <https://oggs.oia.hokudai.ac.jp>

Website



### PARE Course

Masaki·Mori·Hirobe  
Phone: 011-706-8014/8013

### RJE3 Course

Kato·Murakami  
Phone: 011-706-8142/8143

### STSI Course

Masaki·Hirose·Sasaki  
Phone: 011-706-8141



# Program Guide 2022

Hokkaido University  
Interdisciplinary Graduate Education Program

# Table of Contents

※We have paused institutional exchange with Russian universities for the time being.

◆ <b>What is the OGGs Program?</b> .....	3
What is the OGGs Program?	
Target students for the program	
Aims of the OGGs Program	
Human Resources to be developed in the three courses	
Seven skills acquirable from the OGGs Program	
Features of the OGGs Program	
Programs and Subject structure	
Each course flows	
◆ <b>Course Faculty Members</b> .....	7
<b>PARE Course</b> .....	11
Graduate Program for Fostering Frontiers of Practical Solutions for the Populations-Activities-Resources and Environments (PARE) Chain	
◆ <b>Chapter1 PARE Course Guideline(AY2022)</b> .....	12
1. Course plan, Course period, and Capacity	
2. Application Requirement	
3. Course Subjects and Language	
4. Completion requirements and certificates	
5. Course schedule and procedures	
◆ <b>Chapter2 AY2022 PARE Course Subjects</b> .....	16
1. Basic Program	
(1) Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE)	
(2) SDGs Internship/Field Study: Summer School in Japan I・II Spring School in ASEAN III・IV	
2. Advanced Program	
① Area Subject : SDGs Overseas University Seminar	
② SDGs Advanced Internship: Japan ASEAN Internship (PARE)	
◆ <b>Chapter3 Student support by OGGs Program (PARE Course)</b> .....	18
1. Scholarship	
2. Visa support	
◆ <b>Chapter4 Contact of PARE Course</b> .....	19
1. OGGs Central Office (PARE Course)	
2. Liaison desk of Partner Universities	

<b>RJE3 Course</b> .....	20
An expert education program aiming to achieve sustainable development through the study of cultural diversity in the Far East and the Arctic Circle	
◆ <b>Chapter1 RJE3 Course Guideline(AY2022)</b> .....	21
1. Course plan, Course period, and Capacity	
2. Application Requirement	
3. Course Subjects and Language	
4. Completion requirements and certificates	
5. Course schedule and procedures	
◆ <b>Chapter2 AY2022 RJE3 Course Subjects</b> .....	25
1. Basic Program	
(1) Introduction to SDGs: Environment, Culture, and Sustainable Development in Russia and Japan I・II (RJE3)	
(2) SDGs Internship/Field Study (RJE3): *8 Subjects	
2. Advanced Program	
① Area subject : SDGs Overseas University Seminar	
② SDGs Advanced Internship: Special Seminar on Far East and Arctic Studies (RJE3)	
◆ <b>Chapter3 Student support by OGGs Program (RJE3 Course)</b> .....	28
1. Scholarship	
2. Visa support	
◆ <b>Chapter4 Contact of RJE3 Course</b> .....	29
1. OGGs Central Office (RJE3 Course)	
2. Liaison desk of Partner Universities	
<b>STSI Course</b> .....	30
International Research Skills Program for Developing Sustainable Transportation System and Infrastructure	
◆ <b>Chapter1 STSI Course Guideline(AY2022)</b> .....	31
1. Course plan, Course period, and Capacity	
2. Application Requirement	
3. Course Subjects and Language	
4. Completion requirements and certificates	
5. Course schedule and procedures	
◆ <b>Chapter2 AY2022 STSI Course Subjects</b> .....	35
1. Basic Program	
(1) Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI)	
(2) SDGs Internship/Field Study: Japan-India Short-term Internship	
(3) Fundamental learning of Indian language and culture (STSI)	
2. Advanced Program	
① Area Subject: SDGs Overseas University Seminar	
② SDGs Advanced Internship: Japan-Indian Long-term Internship (STSI)	
◆ <b>Chapter3 Student support by OGGs Program (STSI Course)</b> .....	36
1. Scholarship	
2. Visa support	
◆ <b>Chapter4 Contact of STSI Course</b> .....	37
1. OGGs Central Office (STSI Course)	
2. Liaison desk of Partner Universities	

## What is the OGGs Program?

# One program for Global Goals

~Global University Collaborative Interaction for Sustainable Society~

Earn credits!

Scholarship for Overseas Study

### What is the OGGs Program?

Hokkaido University, which aims to contribute to solving global issues through cooperation and collaboration with people from various countries, regions, and organizations, has implemented three programs since 2012: the PARE program, offered in cooperation with universities in Indonesia and Thailand, the RJE3 program, offered in cooperation with universities in Russia, and the STSI program, offered in cooperation with universities in India. These programs aim to develop human resources who contribute to achieving sustainable societies under the theme of resolving issues each country faces.

Hokkaido University has been actively working on sustainability while taking advantage of the characteristics of each program and has finally merged the three programs into one program—OGGs (One program for Global Goals)—to enable students to learn comprehensively about sustainability. The OGGs Program starts in April 2022.

Hokkaido University has set four strategic goals in the Hokkaido University Global Vision 2040. Accordingly, the OGGs Program was established as an **Interdisciplinary Graduate Education Program\*** with two of these strategic goals in mind: “promoting appealing international collaborative Co-learning environments” and “Making practical contributions in areas of sustainability.”

\* Hokkaido University provides education programs for graduate students. The strategic education programs for all graduate schools are called the “Interdisciplinary Graduate Education Program.” The OGGs Program is currently the Interdisciplinary Graduate Education Program provided by Hokkaido University.

The students learn all OGGs subjects in English with students from partner universities. The students who participate in the OGGs come to interact with students from partner universities; as a result, they can improve the skills they need, and their skills influence their perspectives and their viewpoints on their fields of study. These experiences, which they cannot obtain at an ordinary graduate school, generate additional value, and help them find jobs or go on to higher education.

### Target students for the program

- ① Students enrolled in a master’s or doctoral degree program of the Hokkaido University Graduate School, or fourth-year undergraduate students who plan to advance to graduate school
- ② Graduate students or certain undergraduate students from overseas partner universities.

### Aims of the OGGs program

- ① For students to acquire transferable skills that will enable them to contribute to sustainable global development, such as skills in identifying and solving issues, integrating and developing different fields, gaining a multicultural understanding, and fostering international communication.
- ② For students to acquire knowledge about SDGs and improve their knowledge of their specialized field.

### Human Resources to be developed in the three courses

The OGGs Program provides three courses. Students choose one course among them and take the necessary subjects to complete the course. The Human Resources to be developed differ for each course, but the major goal of “Human Resources development to contribute to worldwide sustainable development” is common to all courses.

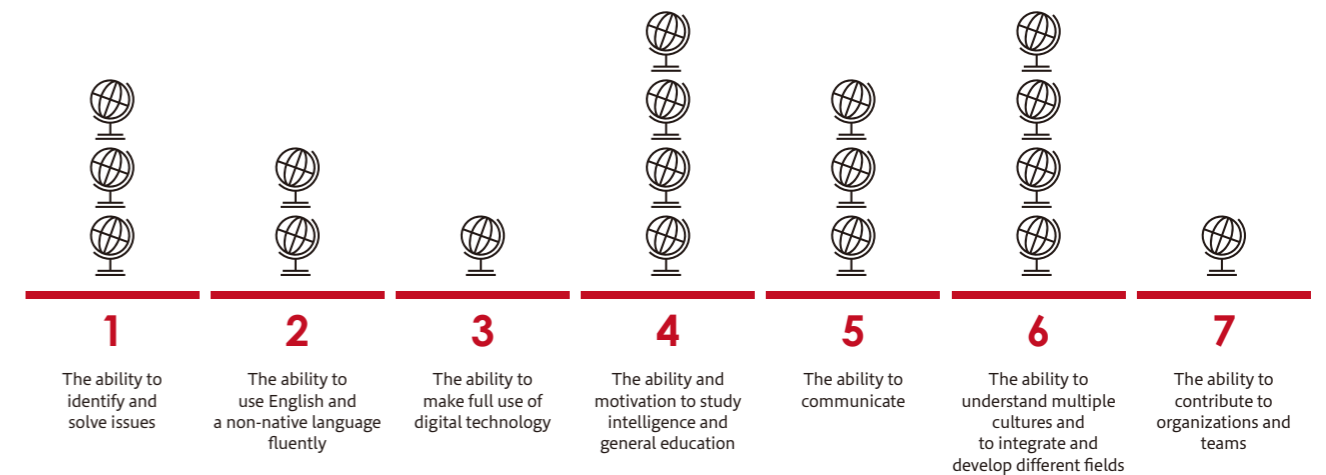


※We have paused institutional exchange with Russian universities for the time being.

Course	Human Resources to be developed	Target country	Field
PARE	This course aims to develop frontier Human Resources who can solve various problems related to “populations,” “activities,” “resources,” and “environments” and who have four abilities that will enable them to play a leading role in the development in Asia: the abilities of conducting field research, embracing diversity, pioneering in their fields, and solving issues.	Indonesia, Thailand	Populations, Activities, Resources, Environments
RJE3	This course aims to develop experts who help promote sustainable environment, culture, and development in the Russian Far East and the Arctic and highly skilled workers who have skills in “multicultural understanding,” “international communication,” “planning and creation,” and “leadership.”	Russia	Culture, Environment, Development
STSI	This course aims to foster Human Resources who can work on various issues related to transport systems and social infrastructure development as a team in India, can maximize their results (international joint research teamwork skills), and can achieve sustainable development in consideration of positive and negative aspects.	India	Infrastructure

### Seven skills acquirable from the OGGs Program

Students can acquire seven skills (or competencies) by participating in the OGGs Program. The number of globes described below represents each skill level acquirable from all OGGs Program subjects. The level of acquirable skill differs by subject, so please refer to the OGGs website.



### Features of the OGGs Program

- 1 Students can comprehensively learn about issues related to sustainable development, growth, and society and solutions from basic to advanced, with students from overseas partner universities.
- 2 The OGGs Program provides three courses: PARE (Indonesia and Thailand), RJE3 (Russia), and STSI (India).
- 3 The OGGs Program consists of a “Basic Program” for students in a master’s degree program and an “Advanced Program” for students in a doctoral degree program.
- 4 The OGGs Program incorporates a teaching method called project-based learning or problem-based learning (PBL). PBL aims to develop one’s ability to combine diverse knowledge through group work to solve problems that have no correct answers. Students must participate proactively in an “SDGs Seminar” as the PBL Subject, one of the subjects in the Basic Program conducted jointly in the three courses.
- 5 All lectures and exercises are conducted in English. Students are also tested on their competence to communicate in English spoken with different cultures: Indonesian, Thai, Russian, Indian, and Japanese.
- 6 A curriculum map shows the skills (competencies) a student is expected to acquire in each subject (refer the OGGs website). In addition, the OGGs Program introduces an assessment method such as Rubric method that allows students to understand the degree to which they have achieved each ability.
- 7 According to the skills acquired and programs completed, students will be awarded the “open badge.” This is a digital certificate of international standard. In addition, the open badge helps students demonstrate the skills they have acquired, as it can be displayed on their resumes or e-mails during job searches.

## Programs and subject structure

Program level	Outline	Main target
<b>Basic Program</b>	<p>Students in the master's degree program learn about the basic concept of SDGs and global issues related to SDGs and participate in exercises with students from partner universities in Indonesia, Thailand, Russia, and India (Introductory Subjects, Basic Subjects).</p> <p>-----</p> <p>This program consists of short-term internships and fieldwork in Indonesia, Thailand, Russia, India, and Japan. Basically, this program is intended for overseas students (International Experience Subjects).</p> <p>-----</p> <p>Students in the STSI course learn about the language and culture of the host country (Optional Subjects).</p>	Students in the master's degree program
<b>Advanced Program</b>	<p>Students take subjects in their specialized field and conduct research in their specialized field at partner universities in the four countries (Area Subjects).</p> <p>-----</p> <p>Students participate in mid- and long-term internships at partner universities in the four countries (SDGs Advanced Subjects).</p>	Students in the doctoral degree program

The Basic program has the following subject structure.

“Introduction to International SDGs” in “Introductory Subjects” is intended for undergraduate students but is strongly recommended for graduate students who did not take it as undergraduates. In addition, the “Optional Subjects” include two preparatory subjects for STSI course students studying in India and Japan.

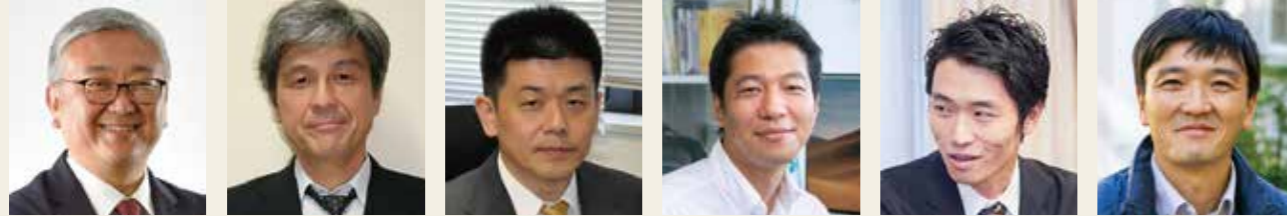
Division	Subject	Credit	Summary	Notes
Introductory Subjects	Introductory to International SDGs	1	You will learn SDGs Introduction/Summary. The 2nd year Students or higher can register. We recommend that students who are interested in OGGs program register the subject before entering graduate school.	It is a common subject for 3 courses and recommended to take the subject during the Bachelor's degree.
Basic Subjects	SDGs Seminar: International Co-learning PBL for problem solving	1	This is an exercise to conduct PBL format on global issues and regional issues related to SDGs. It is an educational method called Project Based Learning or Problem Based Learning, which aims to develop the ability to discover and solve problems and problems on their own.	It is a common subject for 3 courses.
	Introduction to SDGs: Awareness of Global Issues and International Collaboration	1	Learn about SDGs-related professional and cross-disciplinary issues through global challenges	It is a common subject for 3 courses.
	Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE)	1	Lectures will be conducted in an omnibus format on local issues	
	Introduction to SDGs: Environment, Culture and Sustainable Development in Russia and Japan I (RJE3)			
	Introduction to SDGs: Environment, Culture and Sustainable Development in Russia and Japan II (RJE3)			
Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI)				
International Experience Subjects	SDGs Internship/Field study: Summer School in Japan I・II	2	Students learn about on-site experiences while studying with overseas students through exercises and practical training in Japan and overseas (about 2 weeks for short-term internships, fieldwork, etc.)	
	SDGs Internship/Field study: Spring School in ASEAN III・IV			
	SDGs Internship/Field study: Rebus International Archaeological Field school (RJE3)			
	SDGs Internship/Field study: Field school on Development Technologies in Cold Region (RJE3)			
	SDGs Internship/Field study: Energy Security in Cold Climate Region (RJE3)			
	SDGs Internship/Field study: Past and Present of Hokkaido-History of Ishikari and Sorachi- (RJE3)			
	SDGs Internship/Field study: Seminar on Siberian Studies: History, Environment, Living condition in cold region, and Economics (RJE3)			
	SDGs Internship/Field study: History, Art, and Culture in Russian (RJE3)			
	SDGs Internship/Field study: Design School of Japan and Russia (RJE3)			
	SDGs Internship/Field study: Yakutsk field short course: Permafrost ecosystem in the Arctic regions (RJE3)			
	Fundamental learning of India language and culture (STSI)			
Optional Subjects	Fundamental learning of Japanese language and culture (STSI)	1	This course is designed for Japanese students to conduct internships overseas (India) and international students to prepare for their studies in Japan.	
	SDGs Internship/Field study: Japan-India Short-term Internship (STSI)			

## Course Faculty Members (Basic Program)

### ◆ Basic Subjects

#### ① PBL Subject

• Course name: SDGs Seminar: International Co-learning PBL for problem solving



Center for Ainu & Indigenous Studies  
Prof. KATO Hirofumi

Faculty of Engineering  
Prof. FUJITA Osamu

Faculty of Engineering  
Prof. OKAZAKI Taichiro

Faculty of Engineering  
Assoc. Prof. OTAKE Tsubasa

Faculty of Engineering  
Assist. Prof. WATANABE Norihiro

Faculty of Env. Earth Science  
Assoc. Prof. NEGISHI Junjiro

#### ② Knowledge Acquisition Subject

• Course name: Introduction to SDGs: Awareness of Global Issues and International Collaboration



Faculty of Engineering  
Prof. FUJITA Osamu

Faculty of Information Science and Technology  
Prof. OHGANE Takeo

Research Institute for Electronic Science  
Prof. Pillai Vasudevan BIJU

Research Faculty of Agriculture  
Lecturer SAITO Yoko

Faculty of Env. Earth Science  
Prof. KAMIYA Yuichi

Faculty of Fisheries Sciences  
Assoc. Prof. John Richard BOWER



Center for Ainu & Indigenous Studies  
Prof. KATO Hirofumi



Faculty of Engineering  
Assoc. Prof. MORI Taro



Chiang Mai University  
Assoc. Prof. Alice SHARP

• Course name: Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE)



Research Faculty of Agriculture  
Prof. INOUE Takashi

Research Faculty of Agriculture  
Prof. SHINANO Takuro

Research Faculty of Agriculture  
Prof. SUZUKI Takashi

Faculty of Fisheries Sciences  
Assoc. Prof. IJIRI Shigeo

Faculty of Engineering  
Prof. IZUMI Norihiro

Faculty of Engineering  
Assoc. Prof. TOJO Yasumasa



Faculty of Humanities and Human Science  
Assoc. Prof. SASAOKA Masatoshi



University of Reading  
Assoc. Prof. Henny OSBAHR

• Course name: Introduction to SDGs: Environment, Culture, and Sustainable Development in Russia and Japan I-II (RJE3)



Slavic-Eurasian Research Center  
Prof. TABATA Shinichiro

Arctic Research Center  
Prof. FUKAMACHI Yasushi

Center for Ainu & Indigenous Studies  
Prof. KATO Hirofumi

Faculty of Engineering  
Prof. SETOGUCHI Tsuyoshi

• Course name: Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI)



Faculty of Engineering  
Prof. OKAZAKI Taichiro

Faculty of Engineering  
Prof. MATSUMOTO Takashi

Faculty of Public Policy  
Prof. KISHI Kunihiro

Indian Institute of Technology Hyderabad  
Prof. S. Suriya PRAKASH

Indian Institute of Technology Hyderabad  
Assoc. Prof. Digvijay S. PAWAR

Indian Institute of Technology Bombay  
Prof. Nagendra Rao VELAGA



Indian Institute of Technology Bombay  
Assis. Prof. Arnab JANA



Indian Institute of Technology Madras  
Prof. Shiva NAGENDRA S. M.



Indian Institute of Technology Madras  
Assoc. Prof. Piyush CHAUNSALI

### ◆ International Experience Subjects

• Course name: SDGs Internship/Field Study: Japan-India Short-term Internship (STSI)



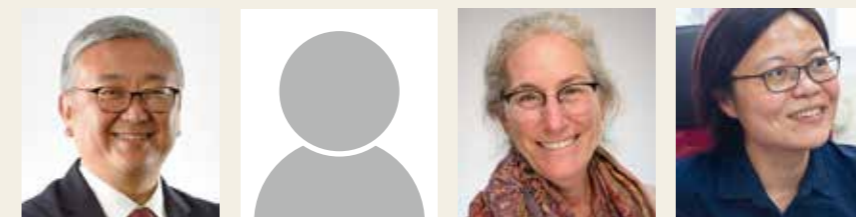
Faculty of Engineering  
Prof. OKAZAKI Taichiro

Faculty of Information Science and Technology  
Prof. OHGANE Takeo

Research Institute for Electronic Science  
Prof. Pillai Vasudevan BIJU

Faculty of Public Policy  
Prof. KISHI Kunihiro

• Course name: SDGs Internship/Field Study: Rebus International Archaeological Field school (RJE3)



Center for Ainu & Indigenous Studies  
Prof. KATO Hirofumi

Center for Ainu & Indigenous Studies  
Assoc. Prof. ISHIHARA Mai

Archaeological and Cultural Education  
Dr. Carol ELLICK

National Taiwan University  
Assoc. Prof. CHIH-HUA Chiang

• Course name: SDGs Internship/Field Study: Energy Security in Cold Climate Region (RJE3)



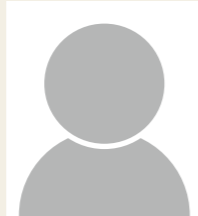
Faculty of Engineering  
Assoc. Prof.  
MORI Taro



KTH Royal Institute of  
Technology  
Prof. Martinac IVO



International  
Research Institute of  
Disaster Science  
Assis.Prof.SADAIKE Yuki



Hokkaido Electric Power  
Co.Inc..  
Mr.NOGAWA Takafumi

• Course name: SDGs Internship/Field Study: Field School on Development Technologies in Cold Region (RJE3)



Faculty of  
Engineering  
Prof.  
SETOGUCHI Tsuyoshi



Faculty of  
Engineering  
Assoc. Prof.  
MORI Taro



Faculty of  
Engineering  
Assist. Prof.  
WATANABE Norihiro



Saint-Petersburg State University of  
Architecture and Civil Engineering  
Assoc. Prof.  
Aleksandra EREMEEVA

• Course name: SDGs Internship/Field Study: Past and Present of Hokkaido-History of Ishikari and Sorachi-(RJE3)



Faculty of Humanities and  
Human Sciences  
Prof.  
SHIRAKIZAWA Asahiko

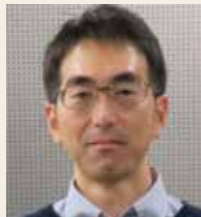
• Course name: SDGs Internship/Field Study: Yakutsk Field Short Course: Permafrost Ecosystem in the Arctic Regions (RJE3)



Arctic  
Research Center  
Prof.  
FUKAMACHI Yasushi



Research of Faculty of  
Agriculture  
Lecturer  
SAITO Hideyuki



Faculty of  
Env.Earth Science  
Assoc. Prof.  
SATO Tomonori



Faculty of  
Engineering  
Prof.  
KANIE Shunji



Arctic  
Research Center  
Assoc. Prof.  
YASUNARI Teppei



Arctic  
Research Center  
Prof.  
OTSUKA Natsuhiko

• Course name: SDGs Internship/Field Study: Seminar on Siberian Studies: History, Environment, Living Condition in Cold Region, and Economics (RJE3)



Slavic-Eurasian  
Research Center  
Prof.  
TABATA Shinichiro



Arctic  
Research Center  
Prof.  
FUKAMACHI Yasushi



Faculty of  
Engineering  
Prof.  
SETOGUCHI Tsuyoshi



Center for Ainu &  
Indigenous Studies  
Prof.  
KATO Hirofumi

• Course name: SDGs Internship/Field Study: History, Arts, and Culture in Russia (RJE3)



Faculty of Humanities and  
Human Sciences  
Assoc.Prof.SUGAI Kenta



Faculty of Humanities and  
Human Sciences  
Prof.YAKOU Hisashi



Center for Ainu &  
Indigenous Studies  
Prof. KATO Hirofumi

• Course name: SDGs Internship/Field Study: Design School of Japan and Russia (RJE3)



Faculty of  
Engineering  
Prof.  
SETOGUCHI Tsuyoshi



Faculty of  
Engineering  
Prof.  
KIKUCHI Masaru



Faculty of  
Engineering  
Assoc. Prof.  
MORI Taro



Faculty of  
Engineering  
Assist. Prof.  
WATANABE Norihiro

• Course name: SDGs Internship/Field Study: Summer School in Japan I-II (PARE)  
• Course name: SDGs Internship/Field Study: Spring School in ASEAN III-IV (PARE)



Faculty of  
Env.Earth Science  
Assoc. Prof.  
NEGISHI Junjiro



Research Faculty of  
Agriculture  
Prof.  
INOUE Takashi



Research Faculty of  
Agriculture  
Prof.  
KOIKE Satoshi



Research Faculty of  
Agriculture  
Lecturer.  
MATSUSHIMA Hajime



Faculty of  
Engineering  
Assoc. Prof.  
OTAKE Tsubasa



Faculty of  
Engineering  
Assis. Prof.  
TAKEDA Ryo



Faculty of Fisheries Sciences  
Assoc.Prof.  
John Richard BOWER

◆ Introductory Subjects

• Introductory to International SDGs



INSTITUTE FOR THE ADVANCEMENT  
OF SUSTAINABILITY  
Prof.  
KATO Satoru

◆ Optional Subjects

• Course name: Fundamental learning of Japanese language and culture (STSI)



Faculty of  
Engineering  
Prof.  
OKAZAKI Taichiro



Institute for the Advancement  
of Higher Education  
Part-time lecturer  
NISHITANI Maki

• Course name: Fundamental learning of Indian language and culture (STSI)



Faculty of  
Engineering  
Assoc. Prof.  
TAKAHASHI Kosuke



Institute for the Advancement  
of Higher Education  
Part-time lecturer  
RATHORE Takako

# Chapter 1 PARE Course Guideline (AY2022)

## 1. Course plan, Course period, and Capacity

Course plan	Subject	Period	Capacity
Basic Program	Basic Subjects International Experience Subjects	2022/July~ 2023/March	Summer School 2022 15p Spring School 2023 25p
Advanced Program	①Area Subjects ②SDGs Advanced Internship	2022/July~ 2023/March	A few people

\* Program contents, schedule, etc. may be changed depending on the status of Covid-19 situation.

## 2. Application Requirement

- Enrollment in a master's degree program of Hokkaido University Graduate School as of April 2022, or enrollment as a fourth-year undergraduate who plans to advance to graduate school.
- An interest in issues of PARE (populations, activities, resources, and the environments) and a willingness to contribute to solving PARE issues in the future, or activity in research fields related to PARE issues and an interest in fieldwork.

- Outstanding academic performance, with a grade point average (GPA) for the year before selection of at least 2.3 out of 3.0, in principle.

【Reference: JASSO scholarship eligibility requirements】

\*The GPA for the year before selection by the university must be at least 2.30 out of the maximum 3.0.

\*If there are no grades for the previous year, the GPA shall be calculated from the most recent semester before selection.

\*If academic performance cannot be shown by GPA, the reason why the student's grades are particularly excellent and why the GPA is equivalent to 2.30 or more must be specified in the designated format.

### Conversion Table

	Excellent	Excellent	Good	Fair	Unsatisfactory
Grade evaluation	A+, A	A-, B+	B, B-	C+, C	D, D-, F
Grade point	3	3	2	1	0

#### Calculation formula

$$([\text{No. of credits with Excellent grade}] \times 3) + ([\text{No. of credits with Good grade}] \times 2) +$$

$$([\text{No. of credits with Fair grade}] \times 1) + ([\text{No. of credits with Unsatisfactory grade}] \times 0)$$
 Total number of registered credits

- Applicants must have sufficient English proficiency to take the course (Please refer to the following guidelines for English proficiency).

- EIKEN Level 1
- A TOEIC: 740
- TOEFL (ITP/PBT/iBT/CBT): 550/80/213
- IELTS: 5.5

※If you do not have the above certificate, you will need to take the Duolingo English Test (HSI Subject) and a recommendation from your academic advisor regarding your English ability.

<https://englishtest.duolingo.com/jp>



The PARE course is conducted in collaboration with Hokkaido University and partner universities in Indonesia and Thailand to develop frontier human resources who can solve various problems related to “populations,” “activities,” “resources,” and “environments” and can play leading roles in the development of Asia.

In recent years, attention to Asian countries has been increasing because of remarkable economic growth and market expansion, and many companies around the world are actively expanding their businesses in Asia. Moreover, among Asian countries, Southeast Asian countries, including Indonesia and Thailand, are rich in natural resources and have high potential consumer motivation. Therefore, these countries are expected to see various business opportunities open up and to receive much attention from companies worldwide. Additionally, in Southeast Asian countries, as infrastructure development is not yet sufficient, there are many opportunities for Japanese technology to be utilized.

However, religion, culture, and customs in Southeast Asia vary from country to country, and there are concerns about the risk of a country's political situation or administration rapidly worsening. Therefore, companies are looking for promising human resources who are proficient in English, understand Asian culture and customs, and have global sensibility and expertise.

This course targets students who have completed Basic Subjects at Hokkaido University while attending the graduate school, especially a master's degree program, and who participate in the Summer School held in Hokkaido and the Spring School held at universities in Indonesia and Thailand. In addition, we welcome students who wish to study abroad at partner universities in Indonesia and Thailand for several months to half a year after participating in the Summer School and the Spring School.

#### Target student

Those who enrolled in a master's or doctoral degree program of the Hokkaido University Graduate School, or fourth-year undergraduate students who plan to advance to graduate school.

#### Language

English (lectures, report and discussions in lectures, etc.)

#### Partner Universities

Indonesia



- Universitas Gadjah Mada
- Institut Teknologi Bandung
- IPB University

Thailand



- Kasetsart University
- Chulalongkorn University
- Thammasat University
- Mahidol University

### 3.Course Subjects and Language

#### Courses

The PARE course curriculum consists of the following two parts.

#### (1) Basic Program Basic Subjects, International Experience Subjects

Students acquire the basic interdisciplinary knowledge that is needed to solve PARE issues in this program. Additionally, students tackle themes related to PARE in Practice on SDGs with members from different countries, universities, and fields. All course subjects are conducted in English. After completing subjects, the students will be able to participate in a group discussion, understand arguments from different cultural backgrounds, and acquire the ability to propose solutions to issues in English. These "Basic Subjects" are offered as Inter-Graduate School Classes at Hokkaido University, and students can earn credits from them.

#### (2) Advanced Program ①Area Subjects ~ SDGs Overseas University Seminar (Japanese Students only) ②SDGs Advanced Internship: Japan ASEAN Internship (Japanese Students only)

①"Area Subjects – exercise on SDGs" at overseas university and ② "SDGs Advanced Internship" are offered by partner universities in Indonesia and Thailand. Students complete these subjects while studying at partner universities for several months to one year. Students will deepen their knowledge and understanding of specialized fields necessary to solve PARE issues by receiving English-language lectures on PARE-related themes and issues. At the same time, students will further improve their English proficiency and will be expected to have rudimentary communication in the language of their host country. Credits earned at the host university will be recognized as Hokkaido University credits, upon completion of the designated procedures. The conditions and procedures may differ by department, so please check with the Academic Affairs Section.

Subject title		Course	Hours	Credits
Basic Subjects	Knowledge Acquisition Subject (Selective Compulsory)	Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE)	More than 15 hours	1 Credit
International Experience Subjects (Compulsory)		SDGs Internship/Field Study: Summer School in Japan I-II or Spring School in ASEAN III-IV	Lecture 15 hours+ Practice more than 30 hours	2 Credits
Area Subjects (Compulsory)		SDGs Overseas University Seminar	It depends on a subject	
SDGs Advanced Internship (Compulsory)		Japan ASEAN Internship	More than 60 hours	2 Credits

#### Language

English



### 4.Completion requirements and certificates

#### Completion requirements

#### (1) Basic Program Basic Subjects, International Experience Subjects

Subject Name		Course	Each Credit	Completion requirements
Basic Subjects	①PBL Subject (Compulsory)	①SDGs Seminar: International Co-learning PBL for problem solving ②Introduction to SDGs: Awareness of Glocal Issues and International Collaboration ③Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE)	1 Credit	3 Credits
	②Knowledge Acquisition Subject (Compulsory)			
③Knowledge Acquisition Subject (Selective Compulsory)				
International Experience Subjects (Compulsory)		SDGs Internship/Field Study: Summer School in Japan I-II or Spring School in ASEAN III-IV	2 Credits	2 Credits
			Total	5 Credits

\* In principle, it is desirable to complete OGGs PBL Subject, Knowledge Acquisition Subject (Compulsory), and Knowledge Acquisition Subject (Selective Compulsory) before taking "SDGs Internship/Field Study: Summer School in Japan I-II or Spring School in ASEAN III-IV."

However, the fourth-year undergraduate students participate SDGs Internship/Field Study: Spring School in ASEAN III-IV first, and after entering graduate school in the following fiscal year, they take OGGs PBL Subject, Knowledge Acquisition Subject (Compulsory), and Knowledge Acquisition Subject (Selective Compulsory).

\* Registration is required for the two subjects:

【SDGs Internship/Field Study: Summer School in Japan I-II (Semester 1)】【SDGs Internship/Field Study: Spring School in ASEAN III-IV (Semester 2)】

However, the fourth-year undergraduate students register for the course after entering graduate school in the next fiscal year.

#### (2) Advanced Program ①Area Subjects ~ SDGs Overseas University Seminar (Japanese Students only) ②SDGs Advanced Internship: Japan ASEAN Internship (Japanese Students only)

●Students must take more than 7 credits.

1) OGGs PBL Subject, Knowledge Acquisition Subject (Compulsory), and Knowledge Acquisition Subject (Selective Compulsory) and International Experience Subjects : More than 5 credits

2) PARE Area Subjects offered at PARE partner universities: More than 2 credits

3) SDGs Advanced Internship: Japan ASEAN Internship (PARE): 2 credits

Subject Name		Course	Each Credit	Completion requirements
Basic Subjects	①PBL Subject (Compulsory)	①SDGs Seminar: International Co-learning PBL for problem solving ②Introduction to SDGs: Awareness of Glocal Issues and International Collaboration ③Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE)	1 Credit	3 Credits
	②Knowledge Acquisition Subject (Compulsory)			
	③Knowledge Acquisition Subject (Selective Compulsory)			
International Experience Subjects (Compulsory)		SDGs Internship/Field Study: Summer School in Japan I-II or Spring School in ASEAN III-IV	2 Credits	2 Credits
Area Subjects (Compulsory)		SDGs Overseas University Seminar		More than 2 Credits
SDGs Advanced Internship (Compulsory)		Japan ASEAN Internship (PARE)	2 Credits	2 Credits
			Total	More than 7 credits

\* Students should complete OGGs PBL Subject, Knowledge Acquisition Subject (Compulsory), Knowledge Acquisition Subject (Selective Compulsory) and International Experience Subjects

before taking SDGs Advanced Internship. However, depending on the time of participation in the program, students may be exempted from taking International Experience Subjects by taking Area Subjects or SDGs Advanced Internship.

#### Certificate

Students who have completed the above courses will receive a certificate of completion of the OGGs Program.



## 5. Course schedule and procedures

### Course Schedule

AY2022

#### First Application

Orientation 2022/Mid-April Venue: Zoom Online

Registering Period 2022/Mid-April to Early May

Notice of Acceptance 2022/End of May

#### Second Application

Orientation 2022/Mid-October

Registering Period 2022/ Mid-October to November

Notice of Acceptance 2022/December

\* Program contents, schedule, etc. may be changed depending on the status of Covid-19 situation.

### Procedures for taking courses

Students who wish to take the PARE Course should register for relevant subjects in their department. Students are required to submit all the documents as follows. If there are many applicants, enrollment in the course is decided based on the student's English proficiency and grades. The OGGs Central Office (PARE Course) will notify applicants later by e-mail on whether they have been accepted into the course.

Please fill in the following forms to apply and send the required documents by E-mail.

- Application for OGGs Program <https://forms.gle/U2JNhttDqddewAv9>
- Application for PARE Course <https://forms.gle/FrWFTsPRraPbFkzd6>
- E-mail [pare@oia.hokudai.ac.jp](mailto:pare@oia.hokudai.ac.jp)

#### Documents to be submitted

- Photo** (3X4cm, Color & Clear, taken within latest six months)
- Certification of English Proficiency test**  
You may be asked to submit your supervisor's recommendation letter
- Self-Assessment Sheet**
- Photocopy of Student Card**
- Official Academic Transcript from the previous year**
- Photocopy of passport**
- Household Criteria Eligibility Determination Table**  
for applicable person only



## Chapter 2 AY2022 PARE Course Subjects

### 1. Basic Program

#### (1) Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE) (Compulsory) 1 Credit

Please register the courses during the registering period of each department. Students enrolled in the Hakodate campus can take courses through the VIDEO Conference System (Polycom) or online.

Lecture Title (Inter-Graduate School Classes)	Theme	Schedule	Time	Venue	Notes
Introduction to SDGs: Populations-Activities-Resources-Environments Chain in Asian Countries and Japan (PARE)	Human Activity and Environmental Load	2022/7/19, 20, 21, 22 (8 sessions)	10:30-12:00 14:45-16:15 18:15-19:45 *Please check the syllabus	Student Communication Station	Take on-demand lectures in advance before taking each lecture

#### Introduction to SDGs : Asia and Japan

Introduction to SDGs is designed to help students understand the nexus between the use of resources and various problems, such as environmental problems and social problems, including population increases and activities of production and consumption. As researchers or engineers, students are expected to engage in the sustainable use of the resource environment. Students also understand technologies for improving and monitoring problems mentioned above and the effects arising from the application of those technologies, and students acquire an attitude of working on solving problems in a group. Introduction to SDGs is offered to provide a wide range of knowledge. The lectures are given by eight faculty members, including invited lecturers, on the themes of human activities and environmental impacts (Agriculture, Environmental Science), food-environment-health nexuses (Agriculture, Fisheries Science), resource development and management (Engineering, Information Science), and resilience for sustainable development (all schools). The distribution of e-learning materials allows all students to listen to the lectures repeatedly before receiving classes, and students mainly hold group discussions and presentations in the lecture room under the active learning method.

#### (2) SDGs Internship/Field Study: Summer School in Japan I・II or Spring School in ASEAN III・IV (Compulsory) 2 Credits To be held twice a year

Lecture Title (Inter-Graduate School Classes)	Theme	Schedule	Capacity	Venue	Notes
SDGs Internship/Field Study: Summer School in Japan I・II	PARE Chain: Sustainable Use and Management of Land, Water, Food and Energy	2022/7/25~8/5 10 days	15P	Hokkaido	PARE Summer School 2022
SDGs Internship/Field Study: Spring School in ASEAN III・IV		2023/Mid-Feb. 11 days	25P	Thailand	PARE Spring School 2023

\* In the SDGs Internship/Field Study, in addition to transportation expenses to the venue, you will need to bear a summer school of 20,000 yen and spring school 40,000 yen as participation fee (transportation, accommodation, teaching materials, etc.) Please note that you may have scholarships. Personal expenses such as Air tickets, local transportation, school dining and beverages during Spring School are not included in the participation fee unless indicated on the schedule.

#### Basic Program : SDGs Internship /Field Study

##### ● SDGs Internship/Field Study: Summer School in Japan I・II (PARE Summer School)

PARE Summer School is offered as Inter-Graduate School Classes. Students can earn two credits. Students receive classroom lectures and conduct fieldwork in the Tokachi region in the Summer School. Additionally, students tackle themes related to PARE while forming groups with colleagues. The Summer School includes "lectures," "fieldwork," "group discussion," "presentations," and the submission of reports.

##### ● SDGs Internship/Field Study: Spring School in ASEAN III・IV (PARE Spring School)

PARE Spring School is offered as Inter-Graduate School Classes. Students can earn two credits. In addition, students receive classroom lectures at partner universities in Thailand and conduct various fieldwork activities and study tours at local facilities in the Spring School. This year, after the Spring School, it is also recommended that students participate in the "PARE internships completion certificate acquisition plan." This plan provides internship training related to their specialized fields, including research activity support, joint research activities, and fieldwork in the relevant faculty members' laboratories of partner universities.

#### Precautions

- \* Please be sure to participate in the pre-orientation and the debriefing session after returning home.
- \* Please join Gakkensai and Futaikaigaku (Insurance) before going overseas.
  - Details on Gakkensai (<http://www.jees.or.jp/gakkensai/>)
  - Details on Futaikaigaku (<http://jees.or.jp/gakkensai/futaikaigaku.htm>)
- \* If we have received a large number of applications, we will screen the applicants based on English proficiency and grades.

## 2. Advanced Program

### ① Area Subjects : SDGs Overseas University Seminar (Compulsory) 2 credits

We plan to post Area Subjects on the PARE website in the future (<http://pare.oia.hokudai.ac.jp/>). The following is an example of course subjects available to students. These subjects are offered as original subjects of OGGs, and the credits are accredited by this university based on the status of the course at each university.

<b>Kasetsart University (Thailand)</b>	<ul style="list-style-type: none"> <li>Genetic Engineering for Agriculture, Industry and Environment ——— 3credits</li> <li>Seminar ——— 1credit</li> <li>Special Problems ——— 3credits</li> </ul>
<b>Universitas Gadjah Mada (Indonesia)</b>	<ul style="list-style-type: none"> <li>Transport and Environmental Planning</li> <li>Transport Infrastructure Management</li> <li>Transport Safety</li> </ul>
<b>SIIT.Thammasat University (Thailand)</b>	<ul style="list-style-type: none"> <li>Special Topic in Smart Grid Technology ——— 3credits</li> <li>Computer-Aided Engineering ——— 3credits</li> <li>Special Topic in Electrical Engineering (Data Communication and Network Design) ——— 3credits</li> <li>Decision Making and Optimization ——— 3credits</li> <li>Inspection, Maintenance, and retrofit of Concrete Structures ——— 3credits</li> </ul>
<b>Chulalongkorn University (Thailand)</b>	<ul style="list-style-type: none"> <li>Transportation Planning and Policy</li> <li>Transport Project Evaluation</li> <li>Intelligent Transportation Systems</li> </ul>
<b>Institut Teknologi Bandung (Indonesia)</b>	<ul style="list-style-type: none"> <li>Basic of Thermal Engineering ——— 3credits</li> <li>Advanced Fluid Machinery ——— 3credits</li> <li>Solar Energy ——— 3credits</li> <li>New and Renewable Energy ——— 3credits</li> <li>Geothermal Utilization ——— 3credits</li> </ul>
<b>IPB University (Indonesia)</b>	<ul style="list-style-type: none"> <li>Tropical Soils ——— 3credits</li> <li>Regional Geobiophysic ——— 3credits</li> </ul>

### ② SDGs Advanced Internship: Japan ASEAN Internship (Compulsory) 2 credits

<b>Inter-Graduate School Classes</b>	Japan ASEAN Internship (PARE) ——— 2credits
--------------------------------------	--

After consulting with their supervisor at Hokkaido University and the instructor at the host university, students should apply for "study abroad" in their department. Upon returning to Japan, students should submit to the PARE central office a copy of the transcript issued by the host university.



## Chapter 3 Support provided by OGGs (PARE course) to students

\* No special procedures are required for students who understand the support and conditions described below and who meet the qualifications.

### 1. Scholarships

Students can receive a scholarship when taking "SDGs Internship/Field Study: Spring School" offered by overseas partner universities or "Area Subjects/SDGs Internship for the Advanced Program (including Internship Subjects)."

**Scholarship: ¥70,000 per month**

The scholarship is transferred to the pre-registered account on or around the 25th of every month.

#### Eligibility and conditions

- Enrollment in Hokkaido University
- Outstanding academic performance, with a grade point average (GPA) for the year before of at least 2.3 out of 3.0, in principle  
Reference: JASSO scholarship eligibility requirements
  - \* The GPA for the year before selection by the university must be at least 2.30 out of the maximum 3.0.
  - \* If there are no grades for the previous year, the GPA shall be calculated from the most recent semester before selection.
  - \* If academic performance cannot be shown by GPA, the reason why the student's grades are particularly excellent and why the GPA is equivalent to 2.30 or more must be specified in the designated format.
- Financial difficulty participating in the dispatch program at only the applicant's own expense
- A visa to participate in the dispatch program for the country/region of the host university
- Return to the applicant's university, etc., to continue studies or receive a degree from their university after the dispatch program is completed
- No scholarships from other organizations for participating in the dispatch program that exceed the monthly stipend of the OGGs scholarship
  - \* Applicants who receive a scholarship from another organization should check with the relevant organization, because the scholarship organization may not allow applicants to receive its scholarship together with the OGGs scholarship.
- Participation in a discussion held by OGGs after the dispatch program is completed

### 2. Visa Acquisition Support

Those who will be traveling to Indonesia or Thailand to take practice in SDGs and Area Subjects/SDGs Internship/Field Study should obtain an admission permit from the host university and then obtain a visa required to enter the country of study abroad. In addition, for overseas study, students need to obtain the status of residence of "student" in the country where they plan to study abroad. For the English recommendation and English letter of guarantee required to obtain a visa, PARE Central Office creates them. Students are responsible for the cost of obtaining a visa.

For the documents required to obtain a visa, please check the website of embassies or consulates in each country.

Students who wish to apply for a visa for overseas study in Indonesia need to obtain a "permit to be issued a visa" from the Immigration Bureau in Jakarta. After the host university issues an "admission permit," the host university liaison office will support the necessary procedures for the student to obtain a "permit to be issued a visa." It takes about 2 to 3 months to obtain a "permit to be issued a visa." In this case, additional costs may be incurred.

\* In principle, students are responsible for travel expenses, but depending on the project budget of the relevant year, we may subsidize some of the travel expenses.

# Chapter 4 Contact of PARE Course

## 1. OGGs Central Office (PARE Course)



Student Communication Station 1F, Student Exchange Division  
Academic Affairs Department, Hokkaido University  
Kita 15, Nishi 8, Kita-ku, Sapporo 060-0815 Hokkaido

Masaki·Mori·Hirobe  
Tel: 011-706-8014  
Fax: 011-706-8037  
E-mail: goo@oia.hokudai.ac.jp  
Website: <https://pare.oia.hokudai.ac.jp/>

## 2. Liaison desk of Partner Universities



### Kasetsart University

Dr. Suphachai Amkha ✉ agrscak@ku.ac.th  
Ms. Lalida Masiri ✉ fagrldm@nontri.ku.ac.th



### SIIT, Thammasat University

Dr. Sandhya Babel ✉ sandhya@siit.tu.ac.th  
Ms. Peechalika Sertsirikul ✉ peechalika@siit.tu.ac.th



### Chulalongkorn University

Ms. Nattakarn Chamsuwanwong ✉ Nat.takarn.Pa@chula.ac.th  
Ms. Pantip Masatanang ✉ Pantip.M@chula.ac.th  
OIA Official e mail ✉ int.off@chula.ac.th



### Universitas Gadjah Mada (UGM)

Dr. Mudasir ✉ Mudasir@ugm.ac.id  
Ms. Dwi Hartini ✉ scholarship@ugm.ac.id  
✉ oia@ugm.ac.id  
✉ head-oia@ugm.ac.id



### Institut Teknologi Bandung (ITB)

Dr. Iman Reksowardojo ✉ imankr@gmail.com  
Ms. Ciptani Sita Permana ✉ iro@itb.ac.id



### Institut Pertanian Bogor (IPB)

Dr. Hanny Widjaya ✉ hazemi@indo.net.id  
Ms. Fatmasari Siregar ✉ fasarega@gmail.com  
✉ ico@ipb.ac.id



### Mahidol University

Dr. Noppol Arunrat ✉ noppol.aru@mahidol.ac.th  
Dr. Allan Sriratana Tabucanon ✉ allansriratana.tab@mahidol.ac.th  
Mr. Parynya Chowwiwattanaporn ✉ parynya.chw@mahidol.ac.th



The RJE3 course is a Russia-Japan joint education course aiming to develop specialists who can be expected to play an active role to solve important issues in the Russian Far East and Arctic Circle. In order to acquire cross-disciplinary knowledge and expertise in a specific field, Hokkaido University and the Russian partner universities collaborate to build a joint educational program between Japan and Russia.

※We have paused institutional exchange with Russian universities for the time being.

The RJE3 course deals with essential interdisciplinary issues such as "environmental assessment," "cultural diversity," "soil and productivity," "regional resource development," and "disaster prevention management" in the Russian Far East and the Arctic, where global issues such as climate change and diversity of historical culture are concentrated. The RJE3 course has established the East Russia-Japan Expert Education Consortium (RJE3 Consortium) consisting of Hokkaido University, Universities in East Russia, Japan-Russia research institutes, local governments, government-affiliated agencies, and industry to tackle these problems. This initiative aims to develop experts in their fields who will lead the relevant regions through the mutual exchanges of faculty members and students.

This course is intended for students who, while enrolled in a graduate school (especially while enrolled in a master's course), complete the Knowledge Acquisition Subject: "Introduction to SDGs: Environment, Culture, and Sustainable Development in Russia and Japan I·II" as selective compulsory subject among the Basic program at Hokkaido university, and then participate in International Experience Subjects held in Hokkaido and Russia. We also welcome the participation of students who wish to study abroad at a Russian partner university for a few months to six months as an "Advanced Program" after participating in the "Basic Program," which is a short-term dispatch.

#### Target student

Those who enrolled in a master's or doctoral degree program of the Hokkaido University Graduate School, or fourth-year undergraduate students who plan to advance to graduate school.

#### Language

English (lectures, report and discussions in lectures, etc.)

#### Partner Universities

Russia



- Far Eastern Federal University
- North-Eastern Federal University
- Irkutsk State University
- Pacific National University
- Sakhalin State University



# Chapter 1 RJE3 Course Guideline (AY2022)

## 1. Course plan, Course period, and Capacity

Course plan	Subject	Period	Capacity
Basic Program	Basic Subjects	2022.7~2023.3	60p
Advanced Program	①Area Subjects~SDGs Overseas University Seminar ②SDGs Advanced Internship: Special Seminar on Far East and Arctic Studies ~Internship·Thesis Guidance	2022.7~2023.3	A few people

\* Program contents, schedule, etc. may be changed depending on the status of Covid-19 situation.

## 2. Application Requirement

- Enrollment in a master's degree program of Hokkaido University Graduate School as of April 2022, or enrollment as a fourth-year undergraduate who plans to advance to graduate school.
- A student being interested in RJE3 issues (environmental evaluation, cultural diversity, soil and production, regional resource development, and disaster prevention management). Being interested in and willing to contribute to solving the above problems in the future.
- Outstanding academic performance, with a grade point average (GPA) for the year before selection of at least 2.3 out of 3.0, in principle.  
 [Reference: JASSO scholarship eligibility requirements]  
 \*The GPA for the year before selection by the university must be at least 2.30 out of the maximum 3.0.  
 \*If there are no grades for the previous year, the GPA shall be calculated from the most recent semester before selection.  
 \*If academic performance cannot be shown by GPA, the reason why the student's grades are particularly excellent and why the GPA is equivalent to 2.30 or more must be specified in the designated format.

### Conversion Table

	Excellent	Excellent	Good	Fair	Unsatisfactory
Grade evaluation	A+, A	A-, B+	B, B-	C+, C	D, D-, F
Grade point	3	3	2	1	0

#### Calculation formula

$$\frac{([\text{No. of credits with Excellent grade}] \times 3) + ([\text{No. of credits with Good grade}] \times 2) + ([\text{No. of credits with Fair grade}] \times 1) + ([\text{No. of credits with Unsatisfactory grade}] \times 0)}{\text{Total number of registered credits}}$$

- Applicants must have sufficient English proficiency to take the course (Please refer to the following guidelines for English proficiency).
  - EIKEN Level 2
  - A TOEIC: 550
  - TOEFL (ITP/PBT/iBT/CBT): 500/61/173
  - IELTS: 5
 ※If you do not have the above certificate, you will need to take the Duolingo English Test (HSI Subject) and a recommendation from your academic advisor regarding your English ability.  
<https://englishtest.duolingo.com/jp>

## 3. Course Subjects and Language

### Course Subjects

The RJE3 Course Curriculum consists of the following two parts.

#### (1) Basic Program

Basic Subjects, International Experience Subjects

Introduction to SDGs in RJE3 aims to acquire basic knowledge in the region concerned through cross-disciplinary study of regional issues in the Far East and the Arctic and discussions with Japanese and Russian faculty and students on how to solve these issues. The SDGs Internship/Field Study in RJE3 includes various specialized themes in Hokkaido and Russia. Field training is offered. All courses are conducted in English, and after taking the courses, students can have group discussions in English, strengthen their basic skills through cross-disciplinary lectures and field study, and acquire the ability to propose solutions to problems in English. These "Basic Subjects" are offered as Inter-Graduate School Classes of the University and credits can be earned.

#### (2) Advanced Program

①Area Subjects ~ SDGs Overseas University Seminar  
②SDGs Advanced Internship: Special Seminar on Far East and Arctic Studies  
~Internship·Thesis Guidance

##### ①Area Subjects ~ SDGs Overseas University Seminar

Students study abroad at partner universities in Russia for several months to a year to take highly specialized lectures, exercises, and Field Study. Credits earned at the host university may be recognized as credits by the University through prescribed procedures. If you wish to receive credit, be sure to check with the academic affairs office of your department before you go abroad to find out about the conditions and procedures for receiving credit.

##### ②SDGs Advanced Internship: Special Seminar on Far East and Arctic Studies~Internship·Thesis Guidance

Students will study abroad at a partner university in Russia for a few months to a year, receiving guidance from Japanese and Russian faculty members and understanding actual regional issues through internships at universities, companies, and local governments, or by writing a thesis.

Subject title		Course	Hours	Credits
Basic Subjects	Knowledge Acquisition Subject (Selective Compulsory)	Introduction to SDGs: Environment, Culture, and Sustainable Development in Russia and Japan I·II (RJE3)	More than 15 hours	1 Credit
	International Experience Subjects (Compulsory)	·SDGs Internship/ Field Study: Field school on Development Technologies in Cold Region (RJE3) ·SDGs Internship/ Field Study: Energy Security in Cold Climate Region (RJE3) ·SDGs Internship/ Field Study: Reibun International Archaeological Field school (RJE3) ·SDGs Internship/ Field Study: Past and Present of Hokkaido - History of Ishikari and Sorachi (RJE3) ·SDGs Internship/ Field Study: Design School of Japan and Russia (RJE3) ·SDGs Internship/ Field Study: Yakutsk field short course: Permafrost ecosystem in the Arctic regions (RJE3) ·SDGs Internship/ Field Study: History, Art, and Culture in Russia (RJE3) ·SDGs Internship/ Field Study: Seminar on Siberian Studies: History, Environment, Living condition in cold region, and Economics (RJE3)	Lecture 15 hours+ Practice more than 30 hours	2 Credits
	Area Subjects (Compulsory)	SDGs Overseas University Seminar (held at partner universities)	It depends on a subject	
	SDGs Advanced Internship (Compulsory)	Special Seminar on Far East and Arctic Studies ~Internship·Thesis Guidance	More than 60 hours	2 Credits

### Language

English

## 4. Completion requirements and certificates

### Completion requirements

#### (1) Basic Program Basic Subjects, International Experience Subjects

Subject Name		Course	Each Credit	Completion requirements
Basic Subjects	①PBL Subject (Compulsory)	①SDGs Seminar: International Co-learning PBL for problem solving ②Introduction to SDGs: Awareness of Global Issues and International Collaboration ③Introduction to SDGs: Environment, Culture, and Sustainable Development in Russia and Japan I-II (RJE3)	1 Credit	3 Credits
	②Knowledge Acquisition Subject (Compulsory)		1 Credit	
	③Knowledge Acquisition Subject (Selective Compulsory)		1 Credit	
International Experience Subjects (Compulsory)		<ul style="list-style-type: none"> <li>SDGs Internship/ Field Study: Field school on Development Technologies in Cold Region (RJE3)</li> <li>SDGs Internship/ Field Study: Energy Security in Cold Climate Region (RJE3)</li> <li>SDGs Internship/ Field Study: Rebus International Archaeological Field school (RJE3)</li> <li>SDGs Internship/ Field Study: Past and Present of Hokkaido – History of Ishikari and Sorachi (RJE3)</li> <li>SDGs Internship/ Field Study: Design School of Japan and Russia (RJE3)</li> <li>SDGs Internship/ Field Study: Yakutsk field short course: Permafrost ecosystem in the Arctic regions (RJE3)</li> <li>SDGs Internship/ Field Study: History, Art, and Culture in Russia (RJE3)</li> <li>SDGs Internship/ Field Study: Seminar on Siberian Studies: History, Environment, Living condition in cold region, and Economics (RJE3)</li> </ul>	2 Credits	2 Credits
Total				5 Credits

#### (2) Advanced Program ①Area Subjects ~ SDGs Overseas University Seminar ②SDGs Advanced Internship: Special Seminar on Far East and Arctic Studies ~ Internship·Thesis Guidance

##### ①Area Subjects ~ SDGs Overseas University Seminar

Students who have completed the OGGs-RJE3 "Basic Program" can study abroad for a few months to a year at a partner university in Russia as an "Advanced Program" and take specialized lectures, seminars, and Field Studies. Students are required to obtain at least 2 credits at their study abroad destination. Students are required to report on the results of their studies at a debriefing session after returning to their home country.

Subject Name		Course	Each Credit	Completion requirements
Basic Subjects	①PBL Subject (Compulsory)	①SDGs Seminar: International Co-learning PBL for problem solving ②Introduction to SDGs: Awareness of Global Issues and International Collaboration ③Introduction to SDGs: Environment, Culture, and Sustainable Development in Russia and Japan I-II (RJE3)	1 Credit	3 Credits
	②Knowledge Acquisition Subject (Compulsory)		1 Credit	
	③Knowledge Acquisition Subject (Selective Compulsory)		1 Credit	
International Experience Subjects (Compulsory)		<ul style="list-style-type: none"> <li>SDGs Internship/ Field Study: Field school on Development Technologies in Cold Region (RJE3)</li> <li>SDGs Internship/ Field Study: Energy Security in Cold Climate Region (RJE3)</li> <li>SDGs Internship/ Field Study: Rebus International Archaeological Field school (RJE3)</li> <li>SDGs Internship/ Field Study: Past and Present of Hokkaido – History of Ishikari and Sorachi (RJE3)</li> <li>SDGs Internship/ Field Study: Design School of Japan and Russia (RJE3)</li> <li>SDGs Internship/ Field Study: Yakutsk field short course: Permafrost ecosystem in the Arctic regions (RJE3)</li> <li>SDGs Internship/ Field Study: History, Art, and Culture in Russia (RJE3)</li> <li>SDGs Internship/ Field Study: Seminar on Siberian Studies: History, Environment, Living condition in cold region, and Economics (RJE3)</li> </ul>	2 Credits	2 Credits
Area Subjects		SDGs Overseas University Seminar (held at partner universities)		More than 2 Credits
SDGs Advanced Internship		SDGs Advanced Internship: Special Seminar on Far East and Arctic Studies ~ Internship·Thesis Guidance	2 Credits	2 Credits
Total				※More than 7 credits

### Certificate

Students who have completed the above courses will receive a certificate of completion of the OGGs Program.

## 5. Course schedule and procedures

### Course Schedule

AY2022

#### First Application

Orientation 2022/Mid-April Venue: Zoom Online

Registering Period 2022/Mid-April to Early May

Notice of Acceptance 2022/End of May

#### Second Application

Orientation 2022/Mid-October

Registering Period 2022/ Mid-October to November

Notice of Acceptance 2022/December

\* Program contents, schedule, etc. may be changed depending on the status of Covid-19 situation.

### Procedures for taking courses

Students who wish to take the RJE3 course should register for relevant subjects in their department. Students are required to submit all the documents as follows. If there are many applicants, enrollment in the course is decided based on the student's English proficiency and grades. The OGGs Central Office (RJE3 Course) will notify applicants later by e-mail on whether they have been accepted into the course.

Please fill in the following forms to apply and send the required documents by E-mail.

- Application for OGGs Program <https://forms.gle/U2JNhttTdqqdewAv9>
- E-mail [RJE-3@oia.hokudai.ac.jp](mailto:RJE-3@oia.hokudai.ac.jp)

### Documents to be submitted

- AY2022 RJE3 Application Form
- Photo (3X4cm, Color & Clear, taken within latest six months)
- Certification of English Proficiency test  
You may be asked to submit your supervisor's recommendation letter
- Photocopy of Student Card
- Official Academic Transcript from the previous year
- Photocopy of passport
- Household Criteria Eligibility Determination Table  
for applicable person only



# Chapter 2 AY2022 RJE3 Course Subjects

## 1. Basic Program

### (1) Introduction to SDGs (RJE3) (Compulsory) 1 Credit

Please register the courses during the registering period of each department.

Lecture Title (Inter-Graduate School Classes)	Theme	Schedule	Time	Venue	Notes
Introduction to SDGs: Environment, Culture, and Sustainable Development in Russia and Japan I・II (RJE3)	Politics and Economy, Environment and Resources, Culture and History, and Living Environment and Regional Development	2022/7/19 ~22	9:00~14:30 *Please check the syllabus	TBA	Online or Face-to Face

#### Introduction to SDGs : Russia and Japan

The region stretching from Hokkaido to Russian Far East and the Arctic Circle is rich in nature and natural resources and is characterized by cultural diversity nurtured by many indigenous peoples. This course aims to provide an overview of regional issues from multiple perspectives through joint lectures by Japanese and Russian faculty members, and to acquire a basic knowledge of international-level research trends and their interrelationships across disciplines beyond individual areas of specialization. Lectures will be given by Japanese and Russian faculty members on different topics. The themes are Politics and Economy, Environment and Resources, History and Culture, and Housing and Community Development. Each lecture consists of a lecture, group discussion, group presentation, and report submission. The delivery of e-learning materials allows all students to listen to the lectures repeatedly before class, and active learning methods are used in the classroom, with group discussions and presentations as the main activities.

### (2) SDGs Internship /Field Study : Selective Compulsory (2 Credits)

	Lecture Title (Inter-Graduate School Classes)	Schedule	Capacity	Venue
1	SDGs Internship/ Field Study: Field school on Development Technologies in Cold Region (RJE3)	2022.7.25~29	10p	Sapporo. Hokkaido
2	SDGs Internship/ Field Study: Energy Security in Cold Climate Region (RJE3)	2022.8.1~5	10p	Atsuma town. Hokkaido
3	SDGs Internship/ Field Study: Rebun International Archaeological Field school (RJE3)	2022.8.1~20	5p	Rebun Island Hokkaido
4	SDGs Internship/ Field Study: Past and Present of Hokkaido – History of Ishikari and Sorachi (RJE3)	2022.8.30~9.2	20p	Sapporo. Ashibetsu Hokkaido
5	SDGs Internship/ Field Study: Design School of Japan and Russia (RJE3)	①2022.7.4~15 ②2023.2	10p	①Saint Petersburg・Russia ②Khabarovsk・Russia
6	SDGs Internship/ Field Study: Yakutsk field short course: Permafrost ecosystem in the Arctic regions (RJE3)	2022.8	10p	Yakutsk・Russia
7	SDGs Internship/ Field Study: History, Art, and Culture in Russia (RJE3)	2022.9	10p	Moscow・Russia
8	SDGs Internship/ Field Study: Seminar on Siberian Studies: History, Environment, Living condition in cold region, and Economics (RJE3)	2022.11	30p	Vladivostok・Russia

\* Participation fees (transportation, lodging, materials, etc.) as well as transportation to the course location may be required for the SDGs Internship/Field Study.

## Basic Program: SDGs Internship/Field Study

### ●SDGs Internship/ Field Study: Field school on Development Technologies in Cold Region (RJE3) Sapporo.Hokkaido

Students can learn about building technology research for cold regions, urban planning in Hokkaido, and how to proceed with architectural design projects through lectures and seminars at research institutes, local governments, and companies.

### ●SDGs Internship/ Field Study: Energy Security in Cold Climate Region (RJE3) Atsuma town.Hokkaido

We will invite experts in energy conservation and building equipment from KTH in Sweden and experts in disaster prevention from Tohoku University to give lectures. Study tours and workshops will also be held at the Atsuma Thermal Power Plant.

### ●SDGs Internship/ Field Study: Rebun International Archaeological Field school (RJE3) Rebun Island・Hokkaido

Students learn how to sustainably utilize archaeological materials and indigenous heritage on Rebun Island, located at the northern tip of Hokkaido. Each year, more than 20 students from abroad participate in the program, allowing them to enhance their research assignments and English language skills through international exchange.

### ●SDGs Internship/ Field Study: Past and Present of Hokkaido – History of Ishikari and Sorachi (RJE3) Sapporo.Ashibetsu・Hokkaido

With the cooperation of various museums and archives, visitors can gain an overview of Hokkaido's history by learning more about the history of Sapporo and the central Hokkaido region, where Hokkaido University is located.

### ●SDGs Internship/ Field Study: Design School of Japan and Russia (RJE3) Saint Petersburg・Khabarovsk・Russia

The objective of this course is to provide an overview of urban architectural design and cold region technology in Hokkaido and cold regions of Russia. Students will gain an understanding of cold-weather design and cold-weather construction techniques in both Japan and Russia.

### ●SDGs Internship/ Field Study: Yakutsk field short course: Permafrost ecosystem in the Arctic regions (RJE3) Yakutsk・Russia

By staying at forest stations in and around Yakutsk and conducting mini-research projects, participants can deepen their understanding of the ecosystems on permafrost that are characteristic of the Russian Far East and Arctic regions.

### ●SDGs Internship/ Field Study: History, Art, and Culture in Russia (RJE3) Moscow・Russia

Through joint lectures by faculty members from Hokkaido University and the Russian side, students will be able to obtain information on basic literature on Russian history and culture and will be able to explain the characteristics and appeal of Russian art and its historical background.

### ●SDGs Internship/ Field Study: Seminar on Siberian Studies: History, Environment, Living condition in cold region, and Economics (RJE3) Vladivostok・Russia

The goal of this course is to deepen understanding and interest in the region through classroom lectures on "history," "environment," "living environment in cold regions," and "regional economy," with the aim of solving regional issues in the northern region surrounding Hokkaido from the Russian Far East and the Arctic Circle.

\* Participation fees (transportation, lodging, materials, etc.) as well as transportation to the course location may be required for the SDGs Internship/Field Study.

#### Precautions

- \* Please be sure to participate in the pre-orientation and the debriefing session after returning home.
- \* Please join Gakkensai and Futaikaigaku (Insurance) before going overseas.
  - Details on Gakkensai (<http://www.jees.or.jp/gakkensai/>)
  - Details on Futaikaigaku (<http://jees.or.jp/gakkensai/futaikaigaku.htm>)
- \* If we have received a large number of applications, we will screen the applicants based on English proficiency and grades.



## 2. Advanced Program

### ① Area Subjects (SDGs Overseas University Seminar)

The information will be posted on the RJE3 website (<https://rje3.oia.hokudai.ac.jp/>) as it becomes available.

### ② SDGs Advanced Internship: Special Seminar on Far East and Arctic Studies (Compulsory)

Inter-Graduate  
School Classes

SDGs Advanced Internship:  
Special Seminar on Far East and Arctic Studies (Selective Compulsory) — 2 Credits

After consulting with the faculty member in charge of RJE3 and the faculty member in charge of your host university, you will need to complete a separate "Study Abroad" procedure at your department. You must also submit a copy of the transcript issued by your host university to the RJE3 Central Office upon your return to your home country.



## Chapter 3 Support provided by OGGs (RJE3 course) to students

\* No special procedures are required for students who understand the support and conditions described below and who meet the qualifications.

### 1. Scholarships

Students can receive a scholarship when taking " SDGs Internship: or: Advanced Program: Area Subject SDGs Internship " offered by overseas partner universities,

**Scholarship: ¥70,000 per month**

The scholarship is transferred to the pre-registered account on or around the 25th of every month.

#### Eligibility and conditions

- Enrollment in Hokkaido University
- Outstanding academic performance, with a grade point average (GPA) for the year before of at least 2.3 out of 3.0, in principle  
Reference: JASSO scholarship eligibility requirements
  - \* The GPA for the year before selection by the university must be at least 2.30 out of the maximum 3.0.
  - \* If there are no grades for the previous year, the GPA shall be calculated from the most recent semester before selection.
  - \* If academic performance cannot be shown by GPA, the reason why the student's grades are particularly excellent and why the GPA is equivalent to 2.30 or more must be specified in the designated format.
- Financial difficulty participating in the dispatch program at only the applicant's own expense
- A visa to participate in the dispatch program for the country/region of the host university
- Return to the applicant's university, etc., to continue studies or receive a degree from their university after the dispatch program is completed
- No scholarships from other organizations for participating in the dispatch program that exceed the monthly stipend of the OGGs scholarship
  - \* Applicants who receive a scholarship from another organization should check with the relevant organization, because the scholarship organization may not allow applicants to receive its scholarship together with the OGGs scholarship.
- Participation in a discussion held by OGGs after the dispatch program is completed

\* In principle, students are responsible for travel expenses, but depending on the project budget of the relevant year, we may subsidize some of the travel expenses.

### 2. Visa Acquisition Support

When traveling to Russia, you will need to obtain a visa to enter Russia. The RJE3 Central Office will assist you with the necessary documents to obtain a visa. The cost of visa acquisition (e.g., transportation costs) is responsible by the student. Please check the website of the embassy or consulate of your country for the documents required to obtain a visa.



# Chapter 4 Contact of RJE3 Course

## 1. OGGs Central Office (RJE3 Course)



Student Communication Station 1F, Student Exchange Division  
Academic Affairs Department, Hokkaido University  
Kita 15, Nishi 8, Kita-ku, Sapporo 060-0815 Hokkaido

Kato・Murakami  
Tel: 011-706-8142/8143  
Fax: 011-706-8037  
E-mail: RJE-3@oia.hokudai.ac.jp  
Website: <https://rje3.oia.hokudai.ac.jp/>

## 2. Liaison desk of Partner Universities



**Far Eastern Federal University**

Dr. Keniya EREMENKO <https://www.dvfu.ru/en/>



**North-Eastern Federal University**

Ms. Anna LEBEDEVA <https://www.s-vfu.ru/en/>



**Pacific National University**

Ms. Tatiana KULESHOVA <http://pnu.edu.ru/en/>



**Irkutsk State University**

Dr. Yulia ELOKHINA <https://isu.ru/en/>



**Sakhalin State University**

Mr. Sergei ASEEV <http://sakhgu.ru/en/>

※We have paused institutional exchange with Russian universities for the time being.



International Research Skills Program for Developing Sustainable Transportation System and Infrastructure

The STSI course is jointly implemented by Hokkaido University and three of India's top universities to address various issues related to transport systems and social infrastructure development in India.

The STSI course is jointly implemented by Hokkaido University and three of India's top universities (IIT-Hyderabad, IIT-Bombay, and IIT-Madras). This course aims to foster human resources who can maximize their results when a team created by human resources in Japan and India addresses various issues related to transport systems and social infrastructure development in India. This ability is called "international joint research teamwork skills" under the OGGs. In particular, this course aims to develop human resources who can help Japan and India achieve sustainable development that encompasses positive aspects, such as transport systems and social infrastructure, and negatives, such as impacts on the environment and local residents.

Participants take STSI Basic Subjects (Introduction and basic course on language and culture), participate in short- to long-term internships at one of three IITs, and acquire international joint research teamwork skills through joint research with Indian students.

### Target student

Those who enrolled in a master's or doctoral degree program of the Hokkaido University Graduate School, or fourth-year undergraduate students who plan to advance to graduate school.

### Language

English (lectures, report and discussions in lectures, etc.)

### Partner Universities

India



- Indian Institute of Technology Hyderabad
- Indian Institute of Technology Bombay
- Indian Institute of Technology Madras





# Chapter 1 STSI Course Guideline (AY2022)

## 1. Course plan, Course period, and Capacity

Course plan	Subject	Period	Capacity
<b>Basic Program</b>	Basic Subjects International Experience Subjects Optional Subjects	2022/June ~ 2023/March	15p
<b>Advanced Program</b>	①Area Subjects ②SDGs Advanced Internship	2022/June ~ 2023/March	6p

\* Program contents, schedule, etc. may be changed depending on the status of Covid-19 situation.

## 2. Application Requirement

- (1) Students who are equivalent to either condition of (1)-(3) as of April 2022.
- Students who are enrolled in a graduate degree program and will continuously be enrolled during internship period.
  - Students who [will] have acquired Bachelor's degree, and will enter Master program in Jan. or Jul. 2022.
  - Students who are enrolled in third year in Bachelor's degree program, and will continuously be enrolled in Bachelor's program during internship period.
- (2) Students conducting research in fields related to transportation systems and social infrastructure construction and environmental issues in India, Or a student who is willing to contribute to problem solving
- (3) Outstanding academic performance, with a grade point average (GPA) for the year before selection of at least 2.3 out of 3.0, in principle.
- [Reference: JASSO scholarship eligibility requirements]
- \*The GPA for the year before selection by the university must be at least 2.30 out of the maximum 3.0.
  - \*If there are no grades for the previous year, the GPA shall be calculated from the most recent semester before selection.
  - \*If academic performance cannot be shown by GPA, the reason why the student's grades are particularly excellent and why the GPA is equivalent to 2.30 or more must be specified in the designated format.

### Conversion Table

	Excellent	Excellent	Good	Fair	Unsatisfactory
Grade evaluation	A+, A	A-, B+	B, B-	C+, C	D, D-, F
Grade point	3	3	2	1	0

#### Calculation formula

$$\frac{([\text{No. of credits with Excellent grade}] \times 3) + ([\text{No. of credits with Good grade}] \times 2) + ([\text{No. of credits with Fair grade}] \times 1) + ([\text{No. of credits with Unsatisfactory grade}] \times 0)}{\text{Total number of registered credits}}$$

- (4) Applicants must have sufficient English proficiency to take the course (Please refer to the following guidelines for English proficiency).
- 1) EIKEN Level 2
  - 2) A TOEIC: 550
  - 3) TOEFL (ITP/PBT/iBT/CBT): 500/61/173
  - 4) IELTS: 5
- ※If you do not have the above certificate, you will need to take the Duolingo English Test (HSI Subject) and a recommendation from your academic advisor regarding your English ability.  
<https://englishtest.duolingo.com/jp>

## 3. Course Subjects and Language

**Course Subjects** The STSI course curriculum consists of the following two parts.

**(1) Basic Program** Basic Subjects, International Experience Subjects, Optional Subjects

To start the internship, you will take Introduction to SDGs, SDGs seminar, and Fundamental learning of Indian language and culture as Basic subjects. Then participate in an internship under the academic advisor of a partner university for about a month in an International Experience Subjects.

**(2) Advanced Program** ①Area subjects - SDGs Overseas University Seminar  
 ②SDGs Advanced Internship: Japan-India Long-term Internship

An internship will be held for about 2 to 4 months under the guidance of the academic advisor of the partner country's university and you will deepen your knowledge of the specialized area of your study.

Subject title		Course	Hours	Credits
Basic Subjects	Knowledge Acquisition Subject (Selective Compulsory)	Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI)	More than 15 hours	1 Credit
International Experience Subjects (Compulsory)		SDGs Internship/Field study: Japan-India Short-term Internship (STSI)	One month	2 Credits
Area Subjects (Compulsory)		SDGs Overseas University Seminar	It depends on a subject	
SDGs Advanced Internship (Compulsory)		SDGs Advanced Internship: Japan-India Long-term Internship (STSI)	More than 60 hours	2 Credits
Optional Subjects		Fundamental learning of Indian language and culture	More than 8 hours	1 Credit

**Language** English



## 4. Completion requirements and certificates

### Completion requirements

#### (1) Basic Program Basic Subjects, International Experience Subjects, Optional Subjects

Subject Name		Course	Each Credit	Completion requirements
Basic Subjects	①PBL Subject (Compulsory)	①SDGs Seminar: International Co-learning PBL for problem solving ②Introduction to SDGs: Awareness of Global Issues and International Collaboration ③Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI)	1 Credit	3 Credits
	②Knowledge Acquisition Subject (Compulsory)		1 Credit	
	③Knowledge Acquisition Subject (Selective Compulsory)		1 Credit	
International Experience Subjects (Compulsory)		SDGs Internship/Field Study: Japan-India Short-term Internship (STSI)	2 Credits	2 Credits
Total				5 Credits

#### (2) Advanced Program ①Area subjects - SDGs Overseas University Seminar ②SDGs Advanced Internship: Japan-India Long-term Internship

Subject Name		Course	Each Credit	Completion requirements
Basic Subjects	①PBL Subject (Compulsory)	①SDGs Seminar: International Co-learning PBL for problem solving ②Introduction to SDGs: Awareness of Global Issues and International Collaboration ③Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI)	1 Credit	3 Credits
	②Knowledge Acquisition Subject (Compulsory)		1 Credit	
	③Knowledge Acquisition Subject (Selective Compulsory)		1 Credit	
International Experience Subjects (Compulsory)		SDGs Internship/Field Study: Japan-India Short-term Internship (STSI)	2 Credits	2 Credits
SDGs Advanced Internship (Compulsory)		SDGs Advanced Internship: Japan-India Long-term Internship (STSI)	2 Credits	2 Credits
Total				※More than 7 credits

### Certificate

Students who have completed the above courses will receive a certificate of completion of the OGGs Program.



## 5. Course schedule and procedures

### Course Schedule

#### AY2022

Orientation 2022/Mid-April Venue: Zoom Online

Registering Period 2022/Mid-April to Early May

Notice of Acceptance 2022/End of May

\* Program contents, schedule, etc. may be changed depending on the status of Covid-19 situation.

### Procedures for taking courses

Students who wish to take the STSI course download the documents from our website and submit all the documents as follows. If there are many applicants, enrollment in the course is decided based on the student's English proficiency and grades. The OGGs Central Office (STSI Course) will notify applicants later by e-mail on whether they have been accepted into the course.

Please fill in the following forms to apply and send the required documents by E-mail.

● Application for OGGs Program <https://forms.gle/U2JNhttDqddewAv9>

● E-mail [stsi@eng.hokudai.ac.jp](mailto:stsi@eng.hokudai.ac.jp)

### Documents to be submitted

FY2022 STSI Application Form (Form1)

Transcript of last one year (Translated in English)

Certification of English Proficiency test

Photocopy of student card

Photocopy of passport

Curriculum Vitae (Form2)

Household Criteria Eligibility Determination Table (for applicable person only)

# Chapter 2 AY2022 STSI Course Subjects

## 1. Basic Program

### (1) Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI) (Compulsory) 1 Credit

Please register the courses during the registering period of each department.

Lecture Title (Inter-Graduate School Classes)	Theme	Schedule	Time	Venue	Notes
Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI)	Infrastructure, Environment	2022/6/27,28,30,7/1 (8 sessions)	16:30-18:00 18:15-19:45 *Please check the syllabus	TBA	Online or Face-to-face

#### Introduction to SDGs: Sustainable Infrastructure in India and Japan (STSI)

This subject aims at understanding problems on sustainable transportation system and infrastructure in India. It is important to consider not only the positive effects of the development but also the negative effects on the environment. Students should consider the way to contribute on the development in their own special fields. It is also expected to encourage students to develop a vision for the future.

### (2) SDGs Internship/Field Study (Compulsory) 2 Credits

Lecture Title (Inter-Graduate School Classes)	Theme	Schedule	Capacity	Venue
SDGs Advanced Internship/Field Study: Japan-India Short-term Internship (STSI)	Decided with supervisor	August, 2022~March, 2023 One-month	15p	India

#### Precautions

- \* Please be sure to participate in the pre-orientation and the debriefing session after returning home.
- \* Please join Gakkensai and Futaikaigaku (Insurance) before going overseas.
  - Details on Gakkensai (<http://www.jees.or.jp/gakkensai/>)
  - Details on Futaikaigaku (<http://jees.or.jp/gakkensai/futaikaigaku.htm>)
- \* If we have received a large number of applications, we will screen the applicants based on English proficiency and grades.

### (3) Fundamental learning of Indian language and culture (STSI) (Optional) 1 Credit

Lecture Title (Inter-Graduate School Classes)	Theme	Schedule	Time	Venue	Notes
Fundamental learning of Indian language and culture (STSI)	Indian culture, Hindi	2022/6/6,7,8,9,10,13,14,15 (8 sessions)	16:30-18:00 *Please check the syllabus	TBA	Online or Face-to-face

#### Fundamental learning of Indian language and culture (STSI) (Optional)

In this class, you will learn the basics of Indian language and culture with the goal of staying in India for a long time. The basics and applications of Hindi required for daily life and science and technology activities in India will be taught with the practice. In addition, this class expects the students to deepen their understanding of the diverse cultures of India and the basic knowledge and technological structure necessary for promoting exchanges between Japan and India, as well as future developments.

## 2. Advanced Program

### ① Area Subjects: SDGs Overseas University Seminar

### ② SDGs Advanced Internship: Japan-India Long-term Internship (STSI) (Compulsory)

Lecture Title (Inter-Graduate School Classes)	Theme	Schedule	Capacity	Venue
SDGs Advanced Internship: Japan-India Long-term Internship (STSI)	Decided with supervisor	August, 2022~March, 2023 One Semester/term	6p	India

Students earn credits at the partner university. Please submit syllabus and copy of transcript to STSI Central Office.

# Chapter 3 Support provided by OGGs (STSI course) to students

## 1. Scholarships

Students can receive a scholarship when taking "SDGs Internship/Field Study: Japan-India Short-term Internship (STSI)" or "SDGs Advanced Internship: Japan-India Long-term Internship (STSI)". Numbers of students with financial support are 6 students for Basic program and 3 students for Advanced program.

### ① Scholarship ¥60,000 per month

The scholarship is transferred to the pre-registered account on or around the 25th of every month.

### ② Round trip air tickets

You can not choose a specific airline.

### ③ Accommodation

Accommodation fee will be covered by STSI Course.

#### Eligibility and conditions

- Enrollment in Hokkaido University
- Outstanding academic performance, with a grade point average (GPA) for the year before of at least 2.3 out of 3.0, in principle  
Reference: JASSO scholarship eligibility requirements
  - \* The GPA for the year before selection by the university must be at least 2.30 out of the maximum 3.0.
  - \* If there are no grades for the previous year, the GPA shall be calculated from the most recent semester before selection.
  - \* If academic performance cannot be shown by GPA, the reason why the student's grades are particularly excellent and why the GPA is equivalent to 2.30 or more must be specified in the designated format.
- Financial difficulty participating in the dispatch program at only the applicant's own expense
- A visa to participate in the dispatch program for the country/region of the host university
- Return to the applicant's university, etc., to continue studies or receive a degree from their university after the dispatch program is completed
- No scholarships from other organizations for participating in the dispatch program that exceed the monthly stipend of the OGGs scholarship
  - \* Applicants who receive a scholarship from another organization should check with the relevant organization, because the scholarship organization may not allow applicants to receive its scholarship together with the OGGs scholarship.
- Participation in a discussion held by OGGs after the dispatch program is completed

## 2. Visa Acquisition Support

Those who will be traveling to India should obtain an admission permit from the host university and then obtain a visa required to enter the country of study abroad. In addition, for overseas study, students need to obtain the status of residence of "student". For the English recommendation and English letter of guarantee required to obtain a visa, STSI Central Office creates them. Students are responsible for the cost of obtaining a visa.

For the documents required to obtain a visa, please check the website of embassies or consulates in each country.



# Chapter 4 Contact of STSI Course

## 1.OGGs Central Office(STSI Course)



Student Communication Station 1F, Student Exchange Division  
Academic Affairs Department, Hokkaido University  
Kita 15, Nishi 8, Kita-ku, Sapporo 060-0815 Hokkaido  
Masaki·Hirose·Sasaki  
Tel 011-706-8141  
E-mail: [stsi@eng.hokudai.ac.jp](mailto:stsi@eng.hokudai.ac.jp)  
Website: <https://stsi.oia.hokudai.ac.jp/en/>

## 2.Liaison desk of Partner Universities



### Indian Institute of Technology Hyderabad

Prof. Pinaki Prasad Bhattacharjee: Dean of International and Alumni Relations  
✉ [dean.iar@iith.ac.in](mailto:dean.iar@iith.ac.in) ✉ [office.iar@iith.ac.in](mailto:office.iar@iith.ac.in)



### Indian Institute of Technology Bombay

Prof. Amit Agrawal: Dean International Relations ✉ [dean.ir@iitb.ac.in](mailto:dean.ir@iitb.ac.in)  
Ms. Sushma Jagtap: Incoming Students Coordinator ✉ [dean.ir.office@iitb.ac.in](mailto:dean.ir.office@iitb.ac.in)



### Indian Institute of Technology Madras

Mr. Harish Ananth: Associate Program Administrator, Global Academic Initiatives  
✉ [oir@iitm.ac.in](mailto:oir@iitm.ac.in)

