

Graduate School of Global Environmental Studies Outline of Educational Program





Graduate School of Global Environmental Studies

Major	Main goal	Program
Global Environmental Studies	Mainly to foster researchers	Doctoral Program
Environmental Management	Mainly to foster practitioners	Master's Program and Doctoral Program

■ Educational features

- Internship Program
- Environmental Management Seminar
(provided by guest lecturers)
- Field work and exercise
- Cooperation with other faculties





Educational Goal

- Environmental Management in Master's Program

This program mainly fosters internationally-minded practitioners with the knowledge and practical skills required to tackle environmental problems from the local to global level. This program also fosters researchers capable of working at the international level, by addressing global and local environmental issues using outlooks and methodologies drawn from various fundamental scholarly fields.

- Environmental Management in Doctoral Program

This program mainly fosters practically-minded practitioners with international capability, advanced management expertise and the extensive knowledge and skills required to address environmental issues from the local to global level.

- Global Environmental Studies in Doctoral Program

This program mainly fosters researchers capable of working in international settings, by tackling global and local environmental issues using innovative outlooks and methodologies that drawn from various fundamental scholarly fields.



Curriculum Policy

1. Our educational programs provide students with basic, advanced and applied specialist knowledge informed by diverse academic research aimed at conserving the global environment and achieving sustainable development. They also foster the ability to engage in discussions of **the findings and significance of innovative global environmental research** and the significance thereof, and **to create collaborative networks both locally and internationally**. Our education equips students with a strong sense of responsibility and high ethical standards, as well as the capacity to always understand how research findings can contribute to the harmonious coexistence of humanity and nature.
2. Master's Program is designed **to cultivate comprehensive problem-solving skills** in relation to the global environment. It features a multi-disciplinary curriculum which together with internships, field training, and other **problem-based learning program** fosters student's capabilities as environmental practitioners and researchers.
3. In the Doctoral Program, students pursue more in-depth academic research on variety of topics aimed at the conservation of the global environment and sustainable development. This program fosters **independent researchers capable of playing active roles internationally**, and **leading professionals capable of mobilizing a range of advanced specialized knowledge and technical skills**.



Special features of lecture courses (Master's Program)

- Students participating in the program/courses by GSGES are **offered in English** to train professionals capable of working in an international settings
- Students seeking to further their interdisciplinary knowledge base are also able to take credited lecture courses from other schools of Kyoto University



Course categories and credits for Master's program

Category (courses)	Contents	Required credit
Basics in Global Environmental Studies	<ul style="list-style-type: none">■ 4 courses such as Environmental Ethics and Environmental Education (English)	Compulsory 8 credits
Environmental Management Seminar A and B	<ul style="list-style-type: none">■ Special lecture given by guest lecturers from other institutions (seminar A)■ Field Study (seminar B)	Compulsory 2 credits
Basics and lectures in Environmental Management	<ul style="list-style-type: none">■ Courses offered by GSGES (Some courses in English)■ Courses offered by other schools	Elective 10credits
Internship I and II	<ul style="list-style-type: none">■ Internship at domestic or international organizations, research institutions, and companies in app. 3 months	Compulsory 10 credits
Master thesis		Compulsory



Course Credits

Basic in Global Environmental Studies (lectures in English)

Management of Global Resources and Ecosystems,
Environmental Ethics and Environmental Education,
Global Environmental Policy and Economics,
Global Environmental Engineering

Basics in Environmental Management

Global Environmental Architecture, Environmental Infrastructure Engineering, Regional Planning and Land Management, Landscape Ecology and Planning, Environmental Impact Assessment, Terrestrial Ecosystems Management, Watershed Water Environment Management, Environmental marketing management, Atmospheric Chemistry, Sustainable Rural Development, Global Environmental Economics, etc.

Lectures in Environmental Management

Regeneration of Woodland in Countryside, Vegetation Conservation in Human Ecosystem, Information Processing for Environmental management, Soil Science, Climate Change, etc.



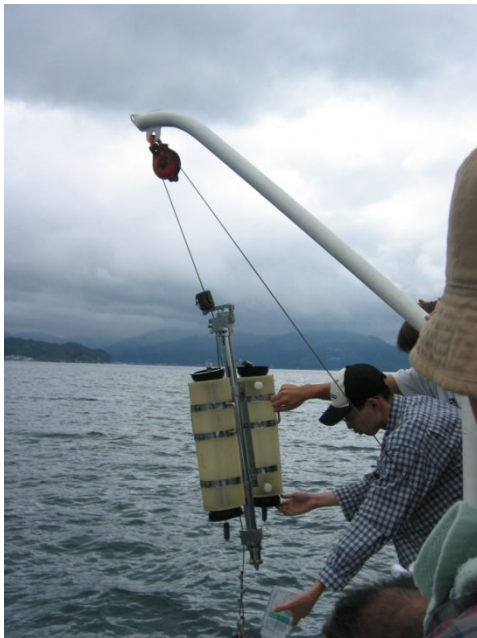
Outline of two years Master's Program (April admission)

	Events/Course
1st year April April ~ July Mid June Early August September ~ February	<ul style="list-style-type: none"> ■ Course registration ■ Taking courses ■ Internship planning with the supervisor ■ Field Study (seminar B) ■ 1st semester examinations ■ Internship Study (3 months)
2nd year April ~ September April ~ December January January ~ February March	<ul style="list-style-type: none"> ■ (Job hunting/interview) ■ Taking courses, examinations ■ Master thesis research ■ Submission of Master thesis ■ Master thesis presentation and thesis review ■ Completion of Master's Program

Seminar in Environmental Management B (Ocean, Sea shore, River, Forest, Soil, village)

One weeks of field study

- Field study of ocean and seashore



Seminar in Environmental management B

- Field study of forest and soil





Internship Study

- Individual education based on practical experience outside the classroom enables students to acquire competence in addressing global environmental issues
- GSGES has arrangements with a wide range of domestic and international research institute, private research organizations, foreign universities, and international organizations such as UN and NGO.
- Master's students must spend at least three months training
- Based on the practical training in the field, the students draft master's thesis by using the result of internship study

Examples of Internship Study

■ Domestic

- Ministry of the Environment, Ministry of Economy, Trade and Industry
- National Institute for Environmental Studies, Research Institute for Humanity and Nature
- Kyoto and Shiga prefectural office, Kyoto city hall
- Private company (consultant, manufacturer), etc.

■ Overseas

- Lille University of Science and Technology (France)
- University of California, San Diego (USA)
- University of Hawaii at Manoa (USA)
- UNESCO (Thailand, Vietnam)
- Tallinn University (Estonia)
- UNU-IAS, etc.

■ Please refer to the GSGES guidebook





Specialization and Course System (Master's program)

The following four specializations have been established for the Master's Program in Environmental Management. The student is examined on the completion criteria on the basis of his/her application and a certificate of completion for the specialization is issued if the criteria are judged to have been met.

Major specialization and Minor specialization

- Environmental Policy
- Environmental System management
- Environmental Science
- Sustainability Science



Double Master's Degree Program

Students who successfully complete approved course work overseas at the partner university will gain transfer credit and earn two master's degree in two different fields for three years.

This program seeks to train/foster specialists who will have in-depth knowledge of global and regional environments and the practical skills necessary to solve environmental problems, and who are instilled with an international perspective.

Partner universities;

- [Mahidol University, Thailand](#) (Faculty of Engineering)
- [IPB University, Indonesia](#) (Master's Program in Regional Planning and Master Program in Landscape Architecture)
- [Graduate School at Shenzhen, Tsinghua University](#) (China)



After graduating from Doctoral Program

- Ministry/National Institute
 - Ministry of the Environment, Ministry of Agriculture, Forest and Fisheries, Ministry of Economy, Trade and Industry, Forestry Agency, Nuclear regulatory body, etc.
- Local Government
 - Kyoto City, Shiga Prefecture, Nagoya City, Hiroshima City, etc.
- Corporate Organization
 - JICA, NEDO, JETRO, National Institute for Environmental Studies, Research Institute for Humanity and Nature, Japan Railway Construction, Transport and Technology Agency, etc.
- Private Sector
 - Consultant, Think-tank, Power utility, Railway, Construction, Housing, Electronics, Physical and chemical, Petroleum, Media, Finance, Insurance, Trading company, etc.
- Doctoral Program
 - Doctoral program in Graduate School of Global Environmental Studies (GSGES)
 - Doctoral program in other universities



Environmental Management / Global Environmental Studies in Doctoral Program

- Acquire 6 credits in major course (Supervisor's seminar) are required
 - During 3 years or longer full-time study for the doctoral program, 2 times of progress on the dissertation presentation is required
 - Register the subject under the Master's Program in Environmental Management, if necessary
 - Students enrolled in the Environmental Management are compulsory to take **the internship study** (more than five months, 10 credits) . Waiving the internship study by work experience is available
- **Completion of the Doctoral Program** is certified based on the dissertation submission, defense and the review
- Exceptional students may be able to complete the degree in less than 3 years with extensive achievement
- Thesis-track admission is available



After graduating from Doctoral Program

■ Universities

- Kyoto University, Hokkaido University, University of Tokyo, Kyushu University, Ritsumeikan University, Shiga University of Medical Science, The University of Melbourne, Mahidol University, Hanoi University of Science and Technology, United nations University, etc.

■ Research Institutes

- National Institute for Environmental Studies, Public Works Research Institute, Japan International Cooperation Agency (JICA), United Nations Environment Programme (UNEP), United Nations Development Programme (UNDP), United Nations Office for Disaster Risk Reduction (UNDRR), etc.