

Kyoto University (National) Graduate School of Global Environmental Studies

◆ Program name

Master's Program in Environmental Management

◆ Degrees:

Master of Global Environmental Studies

◆ Credit and years needed for graduation:

30 credits, 2 years

◆ Address:

Yoshida-honmachi, Sakyo-ku, Kyoto, 606-8501, JAPAN



Features of University <http://www.kyoto-u.ac.jp/en>

Kyoto University is the second oldest national university of Japan, which was established in 1897 in the historical city of Kyoto and one of the finest universities in Japan. Students are enjoying an outstanding environment for study and research. The university has long tradition of academic freedom and students are expected to make self-reliant learning. Approximately we have 2700 international students from over 100 countries and regions.

Features of Graduate School <http://www2.ges.kyoto-u.ac.jp/en/>

The Graduate School of Global Environmental Studies (GSGES) was established in 2002 to address global environmental sustainability as a new field of academic study, bringing together ethics, science and technology, and humanities and social sciences. Our educational programs aim to foster a new generation of professional practitioners in broad fields of environmental study. The student body is diverse, with 55% female and 62% international students from every continent, particularly from Asian countries. We also conduct several international research and outreach projects under collaboration with local governments and NGOs, with particular emphasis in Asian countries.

Admission Policy

1. Our policy

The Graduate School of Global Environmental Studies works towards the current and future health and sustainability of the global environment in two essential ways: first, by training future researchers and practitioners for future environmental careers in academia, management, policy, advocacy and project implementation; and second, by establishing sustainability as the basis of an integrated and interdisciplinary field informed by ethics, science, technology and the humanities that can address the environmental challenges confronting the 21st century.

2. Who are we looking for?

Our goal is to produce graduates who demonstrate excellence and distinctiveness that allows them to impact their chosen fields. We are seeking:

- Future researchers from all academic fields with a keen interest in global environmental problems and their solutions;
- Future internationally-minded practitioners with a deep enthusiasm for environmental management and a sincere commitment to acquiring and implementing the knowledge and practical skills required to tackle environmental problems from the local to global level in every walk of life
- A diverse body of students from many different backgrounds and perspectives. Our students enter through a variety of admission tracks, including mid-career admissions options for students with extensive work experience in environmental issues, some of whom may choose to study while continuing their professional careers, and international admissions program for international students.

3. Three-degree programs offered

The Graduate School of Global Environmental Studies offers master and doctoral programs in the field of environmental management, as well as a doctoral program in global environmental studies. The admission requirements for each of these programs relate to the objective of the study program provided.

3.1 Global environmental studies

Our three-year doctoral program in global environmental studies fosters researchers capable of grasping the full complexity and reach of global environmental issues and tackling global and local environmental issues using innovative outlooks and methodologies that are drawn from a wide variety of scholarly fields. Applicants to this program should hold a master's degree in their chosen study field in addition to English language proficiency and a keen interest in global environmental issues, but exceptions may be made for those with demonstrated professional experience and expertise in a field related to their expected area of study.

3.2 Environmental management

Our two-year master's program and three-year doctoral program in environmental management are designed to foster outstanding and internationally-minded practitioners capable of applying management skills in the search for practical and sustainable solutions to local and global environmental problems. Applicants to either of these programs will need basic academic knowledge of global environmental issues and English language proficiency in addition to a keen interest in environmental management.

4. Basic policy on admissions

The admissions process for the master's program will be carried out by means of a comprehensive assessment of documents, foreign language ability, written examinations, and an interview.

The admissions process for the doctoral program will be carried out by means of a comprehensive assessment of documents and foreign language ability as well as a research presentation and interview.

Features of the Program <https://www.ges.kyoto-u.ac.jp/en/education/programs>

JDS student will join the International Environmental Management Program for a master's degree, which covers wide range of global environmental issues with course works, 79% of which are given in English, an internship at local or international institutions for three to five months, and a thesis work.

Necessary Curriculum to Obtain the Degrees

1. Educational Objectives

The program aims 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.

2. Completion Requirements

Completion requirements for the Master's Program assume registration in the course for 2 years or more, having earned at least 30 credits in major subjects and the passing of the examination and review of the Master's thesis held by the graduate school. However, in the case of students who have achieved remarkable research accomplishments, a shortening of the time period mentioned above may be possible in accordance with relevant provisions.

3. Criteria for Degree Conferment

Completion of the Master's program is certified based on whether the thesis contributes to solve global environmental problems and regional environmental problems in the field in question, and whether the applicant for an academic degree acquires the ability to take responsibility for deeper and broader learning and for expecting highly specialized while communicating effectively.

4. Required Credits

The following credits must be acquired: 8 credits (4 courses) in the Basics in Global Environmental Studies (compulsory), 5 credits or more (5 courses) from the Basics in Environmental Management (elective), 4 credits or more from the Lecture in Environmental Management (elective), 10 credits from Internship I and II (compulsory), 2 credits from Environmental Management Seminar (compulsory), 1 credit from the Exercise in Environmental Management (Compulsory).

A maximum of 4 credits for courses offered by other graduate schools or overseas universities may be approved as "Lectures in Environmental Management."

Registration is required for the courses to be taken.

■ Course categories and credits

Category (Course)	Course condition	Required credits	
Basics in Global Environmental Studies	Compulsory	8 credits	
Basics in Environmental Management	Elective	5 credits or more	
Lectures in Environmental Management	Elective	4 credits or more	
Seminar	Environmental Management Seminar A Environmental Management Seminar B	Compulsory Compulsory	2 credits
Internship	Internship I Internship II	Compulsory Compulsory	10 credits
Environmental Management Seminar	Basic Exercise in Environmental Management	Compulsory	1 credit

■ Master's Program Courses

Basics in Global Environmental Studies (Compulsory)

Course title	Instructor	Credits	Semester	Lang
Management of Global Resources and Ecosystems	Saizen, Ichioka, Yoshimi	2	F1	E
Environmental Ethics and Environmental Education	Asari, Baars, Trencher	2	F1	E
Global Environmental Policy and Economics	Mori, Takeuchi	2	F1	E
Global Environmental Engineering	Katsumi, Echigo, Kajii, Kawasaki, Kobayashi, Tanaka(K), Fujiwara, Yamaguchi, Sakamoto (Y)	2	F1	E

Basics in Environmental Management (Elective)

Course title	Instructor	Credits	Semester	Lang
Global Environmental Architecture	Kobayashi, Ochiai	1	S2	E
Environmental Infrastructure Engineering	Katsumi, Takai	1	S1	E
Regional Planning and Land Management	Saizen, Asano	1	F1	E
Landscape Ecology and Planning	Shibata, Fukamachi	1	S1	E
Terrestrial Ecosystems Management (Japanese)	Shinjo	1	S2	J
Terrestrial Ecosystems Management (English)	Shinjo	1	S2	E
Watershed Water Environment Management	Echigo, Tanaka(S)	1	S1	E
Environmental Marketing Management	Yoshino	1	S2	J
Atmospheric Chemistry	Kajii, Sakamoto (Y)	1	S2	B
Sustainable Rural Development	Hoshino	1	S1	E
Kyoto Style Environmental Education -Basic knowledge and practices	Asari	1	F	B
Environmental Economics	Takeuchi	1	S1	E
Conservation Biology	Ichioka, Nishikawa	1	S	J
Environmental History	Tokunaga	1	F	B
Frontiers in Material Chemistry	Tanaka(K), Gon, Itoh	1	S1	B
Integrated Forest to Coastal Management	Tokuchi, others	1	S	E
History of Art and Culture	Takashina	1	S1	J
Civic and Landscape Design	Kawasaki, Yamaguchi	1	S1	J
Water Environment Conservation	Fujiwara, Nomura	1	F1	J

Lectures in Environmental Management (Elective)

Course title	Instructor	Credits	Semester	Lang
Regeneration of Woodland in Countryside	Shibata, Fukamachi	1	S	B
Information Processing for Environmental	Saizen, Asano	2	S	B

Management				
Terrestrial Ecology	Yachi	1	S1	J
Greening Chemistry and Industry	Matsuda	1	S	J
Environmental Design Research	Kobayashi, Ochiai	2	F	J
Advanced Environmental Engineering Lab.	Takaoka, Echigo, others	2	F	E
Soil Science I	Funakawa	1	F1	E
Soil Science II	Funakawa	1	F2	E
Environment and Society in Southeast Asia	Sakamoto	2	S	E
Evaluation Methodology in Advanced Energy System	Yagi	2	S	J
Economic Analysis of Disaster Risk Management	Tatano, Samaddar, Fujimi	2	S	E
Frontier of Sustainability Science	Mori	2	S	E
Environmental Leadership A	Echigo, others	1	S1	E
New Environmental Engineering I, Advanced	Echigo, Nishimura, Harada	2	S	E
New Environmental Engineering II, Advanced	Echigo, Takaoka, Fujimori	2	F	E
Community Power Projects and Related Careers	Yamashita, Morotomi	2	S	J
Qualitative Research Methods and Analysis	Baars, Feuer	1	S2	E
Research Methods in Social Science	Usami, Yoshino	1	S2	J
Integrated Approaches for Sustainable Development	Echigo, others	2	S	E
Climate Change – The Future for People and Planet	Baars, Trencher	1	S1	E

Seminar, Internship, Environmental Management Seminar (Compulsory)

Course title	Instructor	Credits	Semester	Lang
Seminar in Environmental Management A		1	S	B
Seminar in Environmental Management B		1	S	B
Internship Program I	Academic supervisor, other	8		O
Internship Program II	Academic supervisor, other	2		B
Basic Exercise in Environmental Management	Academic supervisor	1	S	B

Semester

S	Spring semester
S1	First term of the Spring semester
S2	Second term of the Spring semester
F	Fall semester
F1	First term of the Fall semester
F2	Second term of the Fall semester

Lang

J	Japanese
E	English
B	Bilingual
O	Others

List of faculty members capable of guiding JDS Fellows

Study area	Professor	Associate Professor
Department of Global Ecology		
Global Environmental Policy	Makoto Usami	
Environmental Economics	Kenji Takeuchi	
Global Ecological Economics		Akihisa Mori
Water Environment Conservation	Taku Fujiwara	
Historical Geography and Culture	Aki Yamamura	Yu Tokunaga
Environmental Marketing Management		Akira Yoshino
History of Art and Culture	Erika Takashina	
Environmental Education		Gregory Trencher Roger Cloud Baars
Department of Technology and Ecology		
Environmentally-friendly Industries for Sustainable Development	Shinya Echigo	Shuhei Tanaka
Environmental Infrastructure Engineering	Takeshi Katsumi	Atsushi Takai
Global Environmental Architecture	Hirohide Kobayashi	Chiho Ochiai
Biodiversity Conservation	Takao Ichioka Kanto Nishikawa	
Elemental Materials Chemistry	Kazuo Tanaka	
Department of Natural Resources		
Regional Planning	Izuru Saizen	Satoshi Asano
Urban Infrastructure Design	Masashi Kawasaki	Keita Yamaguchi
Terrestrial Microbiology and Systematics	Chihiro Tanaka	Akira Yoshimi
Terrestrial Ecosystems Management	Shinya Funakawa	Hitoshi Shinjo
Ecosystem Linkages and Human Society	Naoko Tokuchi Ryunosuke Tateno	

*Faculty members who will be able to become supervisors of 2024 JDS Fellows.

Academic Schedule <https://www.ges.kyoto-u.ac.jp/en/education/academic-calendar>

First Year: Course work, Drafting of internship study plan, Internship.

Second Year: Course work, Review of internship, Environmental Management Seminar,
Submission and review of master's thesis for the Master's Degree in Global Environmental Studies.

■Academic calendar AY2023

(Spring semester *AY2023 for reference)

2023	Apr 10(Mon)	"Classes for the spring semester begin
	Apr 19(Wed) · 20(Thu)	Course registration
	Jun 18(Sun)	Anniversary of University Founding
	Jul 07(Fri)	Submission deadline for Master's thesis
	Aug 11(Fri)- Sep30(Sat)	Summer break
	Sep 25(Mon)	Degree Conferment Ceremony
	Sep 30(Sat)	Spring semester Ends

(Fall semester *AY2023 for reference)

2023	Oct 02(Mon)	Guidance for new enrolled students
	Oct 03(Tue)	Classes for the fall semester begin
	Oct 12(Thu) · 13(Fri)	Course registration
	Nov 22(Wed)- 24(Fri)	November Festival (no classes)
2024	Dec 29(Fri)- Jan03(Wed)	Winter break
	Mar 31(Sun)	Fall semester Ends

Facilities

International Student Houses located inside or near the campus are available for incoming overseas students during the first year of their stay. Private apartments with monthly rents ranging from 20,000 yen to 50,000 yen are available afterwards.

■Kyoto University International Service Office <https://kuiso.oc.kyoto-u.ac.jp/en/>

Message for Applicants

Our program appeals to students who are looking for all that defines Kyoto University - diverse and progressive education and innovation with a free spirit. The atmosphere of the university and the traditional Japanese city of Kyoto will also be attractive for international students and researchers who wish to conduct research related to environmental issues. The program has been successful in attracting highly qualified overseas students from Asia Pacific, Europe, North America, and Latin America. We have established a place for students of all cultures to work cooperatively and across boundaries.