

International Graduate Course in Global Environmental Studies

Education and Research Objectives and Human Resource Development

For the resolution of global environmental issues, we aim to develop human resources with high levels of knowledge on social and natural sciences, high sense of mission and excellent skills in combining theory with practice.

A particular focus for the Master's course is to prepare our students to become highly competitive professionals in an increasingly complex society and world.

A particular focus for the PhD course is to produce human resources that can conduct world class level of education and research on global environment.

Diploma Policy

[Master's Program]

The Master's Program in Global Environmental Studies aims to foster human resources who have acquired a broad range of expertise and various theories and practical experience, and who are deemed to be capable of contributing to the achievement of a sustainable society. In view of such aims the program sets standards for the skills and knowledge students should acquire before graduation as described below. Those who have fulfilled the requirements and have passed the thesis defense will be awarded a diploma.

1. Broad expert knowledge in global environmental issues and environmental studies.
2. Broad practical knowledge in global environmental issues and environmental studies.
3. The ability to propose appropriate research and analysis methods developed by integrating both social science and natural science-based knowledge as well as combining theory and practice. Also, the ability to communicate information to society through logical writing and oral presentation of one's arguments.
4. The competency to precisely structure one's own papers and clearly roll out the logical arguments in writing papers in order to make the above item 3 possible.
5. Global perspectives and responsiveness

[Doctoral Program]

The Doctoral Program in Global Environmental Studies aims to foster human resources whose research capabilities have been acknowledged to be world-class and who can independently engage in research and development and are deemed to be capable of contributing to the achievement of a sustainable society. With a view to such aims, the program sets standards for the skills and knowledge students should acquire before graduation as described below. Those who have fulfilled the requirements and have passed the thesis defense will be awarded a diploma.

1. Broad expert knowledge in global environmental issues and environmental studies, including in-depth expertise in specific fields and issues.
2. Broad practical knowledge in global environmental issues and environmental studies, including in-depth practical knowledge in specific fields and issues.
3. The ability to independently conduct research and development based on research abilities characterized by originality developed by integrating both social science and natural science-based knowledge as well as combining theory and practice. Also, the ability to communicate information to society through logical writing and oral presentation of one's arguments.

4. The competency to write academic papers with originality and externally present the papers in order to make the above item 3 possible.
5. Global perspectives and responsiveness

Curriculum Policy

[Master's Program]

In light of our aim to have students effectively acquire expertise in a broad range of disciplines and a combination of various theories and practice in accordance with the diploma policy, the Master's Program in Global Environmental Studies constructs its curriculum with courses aligned to the following purposes:

1. Offer a well-balanced range of coursework by including courses from all three subject groups, namely Environmental Law, Policy and Social Studies; Environmental Economics and Development Studies; and Environmental Science and Engineering Studies in order to develop a broad but compact curriculum combining humanities and science with a clear vision based on the understanding that global environmental issues and environmental studies always bear aspects of both the natural sciences and the social sciences and humanities.
2. Proactively incorporate into coursework and seminars, opportunities where students can become familiar with cutting-edge measures and acquire hands-on knowledge in order to develop a curriculum that enables the acquisition of disciplinary knowledge for appropriate problem identification as well as a good balance of practical knowledge or skills for problem-solving.
3. Proactively incorporate into lecture courses and seminars, opportunities where students can learn research and analysis methods and engage in presentations or opinion exchange in order to establish a curriculum that delivers finely-tuned education enabling good diversified communication between faculty and students supported by small-group classes unique to Sophia. Furthermore, schedule a workshop to present thesis outlines at the beginning of the fourth quarter in order to let students acquire thesis writing and oral presentation skills.
4. In light of the increasing need for international cooperation in solving global environmental issues, proactively admit international students, develop an English-taught program with a curriculum consisting of lectures and consultations provided solely in English for the purpose of fostering global leaders, and make courses under the Japanese and English programs interchangeably available to students, thus actively providing opportunities for both mutual learning and communication among students of various nationalities. Furthermore, offer night and Saturday lectures to give adequate consideration to facilitate degree completion for working students.

[Doctoral Program]

In light of our aim to have students effectively acquire expertise in a broad range of disciplines and a combination of various theories and practice in accordance with the diploma policy, the Master's Program in Global Environmental Studies constructs its curriculum with courses aligned to the following purposes:

1. Offer a well-balanced range of coursework by including courses from all three subject groups, namely Environmental Law, Policy and Social Studies; Environmental Economics and Development Studies; and Environmental Science and Engineering Studies in order to develop a broad but compact curriculum combining humanities and science with a clear vision based on the understanding that global environmental issues and environmental studies always bear aspects of both the natural sciences and the social sciences and humanities.
2. Proactively incorporate into coursework and seminars, opportunities where students can become familiar

with cutting-edge measures and acquire hands-on knowledge in order to develop a curriculum that enables the acquisition of disciplinary knowledge for appropriate problem identification as well as a good balance of practical knowledge or skills for problem-solving.

3. Proactively incorporate into lecture courses and seminars, opportunities where students can learn research and analysis methods and engage in presentations or opinion exchange in order to establish a curriculum that delivers finely-tuned education enabling good diversified communication between faculty and students supported by small-group classes unique to Sophia. Furthermore, schedule a workshop to present thesis outlines at the beginning of the fourth quarter in order to let students acquire thesis writing and oral presentation skills.
4. In light of the increasing need for international cooperation in solving global environmental issues, proactively admit international students, develop an English-taught program with a curriculum consisting of lectures and consultations provided solely in English for the purpose of fostering global leaders, and make courses under the Japanese and English programs interchangeably available to students, thus actively providing opportunities for both mutual learning and communication among students of various nationalities. Furthermore, offer night and Saturday lectures to give adequate consideration to facilitate degree completion for working students.

Note: The English translation is provided for information. The original Japanese version remains the sole official version. If there is any discrepancy between the two versions, the Japanese original should take precedence.

GRADUATE PROGRAM IN GLOBAL ENVIRONMENTAL STUDIES OVERVIEW

The Graduate School of Global Environmental Studies (GSGENV) was established in 2005 to focus specifically on environmental problems, an area which we consider as one of the greatest challenges facing humanity today. The curriculum combines social and natural sciences, in recognition of the fact that effective environmental studies spans a number of scholastic disciplines including law, policy, administration, economics, population, energy and engineering. The school is devoted to fostering graduates able to serve society effectively as business persons, professionals, consultants or scholars in the area of environmental protection, conservation and sustainability.

International Graduate Course

The International Graduate Course in Global Environmental Studies (IGCGENV) commenced in September of 2011. IGCGENV provides educational programs for students who intend to obtain degrees in English. No knowledge or proficiency in Japanese is needed as all seminars, lectures and guidance are conducted in English. The curriculum consists of three fields: 1) Economics and Business Administration for the Environment; 2) Law, Policies and Sociology for the Environment; 3) Science and Engineering for the Environment. One of the strategies of IGCGENV is to enhance the capacity of students to contribute to the solving of current environmental issues through a variety of practical and discipline specific programs. Moreover, we intend to collaborate with the Graduate School of Science and Technology and Graduate School of Economics so as to create an integrated and interdisciplinary curriculum.

1. DEGREES

IGCGENV offers two degrees: M.A. and Ph.D., both of which are accredited by the Ministry of Education, Culture, Sports, Science and Technology (MEXT). Both M.A. and Ph.D. degrees focus on the study of environmental issues and processes from both social science and natural science perspectives.

The ultimate aim of IGCGENV is to develop highly effective human resources capable of tackling environmental and sustainability issues from the local to global levels of diverse situations and locations.

2. CURRICULUM

From the natural sciences to the humanities, students are free to choose classes suited to their interests, background and future career aspirations from a wide range of courses covering diverse aspects of global environmental issues. This flexibility means that students may in effect create their own curriculum chart and timetable. Another feature of the IGCGENV curriculum is the small class sizes, with student numbers ranging from two to ten per seminar or lecture. This ensures that students will be able to receive devoted, passionate and student needs-focused instruction from experienced professors.

The M.A. degree has two tracks, with each track having different graduation requirements. Students in the credit track concentrate on obtaining course credits and must complete a graduation project report while those in the thesis track write an in-depth master's thesis. All students enter the IGCGENV on the thesis track. After the first semester, students who wish to do so can transfer to the credit-project track.

Although the language of instruction is English, ICGENV students are permitted to take courses from the Japanese curriculum of the Graduate Program in Global Environmental Studies. These may be counted as official credits towards ICGENV degree requirements. All students in ICGENV are required to write their graduation project report or master's thesis in English.

Doctoral students will work on their dissertation under the guidance of a supervisor. In addition to the required course work (since 2018), Doctoral candidates are encouraged to participate in numerous workshops and other program activities in consultation with their supervisor.

3. FACILITIES

ICGENV and GSGENV graduate students have access to the GSGENV study rooms, computer facilities and the school provides students with on-campus lockers for storing materials. In addition, graduate students can use the university computer rooms, cafeterias, gymnasium and athletic fields, medical and counseling facilities. As with all urban universities in Japan, Sophia University has several off campus dormitories and affiliated dormitories in and around the Tokyo area.

M.A. CURRICULUM

M.A in Global Environmental Studies

The diverse courses of the International Graduate Course in Global Environmental Studies are designed to provide students with a comprehensive understanding of the multiple and complex factors that have contributed to the global environmental crisis. Students are free to choose classes suited to their interests, background and future career aspirations from a wide range of courses covering diverse aspects of global environment issues whether in the natural sciences or humanities. This flexibility means that students may effectively create their own curriculum chart and timetable. Another feature of the International Graduate Course in Global Environmental Studies (IGCGENV) curriculum is the small class sizes. This ensures that students will be able to receive devoted, compassionate and student needs-focused instruction from experienced professors.

1. Completion Requirements

<Thesis-track>

Requirements	Credits	Number of courses	Remarks
Total credits	30		
▸ Compulsory Elective ↳ 演習 / Seminar A, B, C, D	8		Along with the 8 required credits, up to 4 credits from 演習 / Seminar A, B, C, D may additionally be counted as elective courses.
▸ Electives	22		
↳ Courses offered at GSGENV			
↳ Courses under the Auditing Agreements			Up to 10 credits may be included into Elective Courses. However, for the credits taken at the United Nations University (UNU) only 2 credits may be approved. For the procedures, consult with the Center for Academic Affairs.
Research Guidance (compulsory)		4	No credits given. Automatically registered. For details, see 4. Notes about Course Enrollment 1) Completion Requirements *1
Master's Thesis			Must register by a student through Loyola for Master's Thesis during the course registration period of the final semester when the student plans to submit and defend their thesis.

*1 Students who wish to apply for early graduation will only be required to receive passing grades for the number of semesters they enrolled in.

<Credit-track>

Requirements	Credits	Number of courses	Remarks
Total credits	34		
▸ Compulsory Elective ↳ 演習 / Seminar A, B, C, D	4		Along with the 4 required credits, up to 4 credits from 演習 / Seminar A, B, C, D may additionally be counted as elective courses.
▸ Electives ↳ Courses offered at GSGENV	30		
↳ Courses under the Auditing Agreements			Up to 10 credits may be included into Elective Courses. However, for the credits taken at the United Nations University (UNU) only 2 credits may be approved. For the procedures, consult with the Center for Academic Affairs.
Research Guidance (compulsory)		4	No credits given. Automatically registered. For details, see 4. Notes about Course Enrollment 1) Completion Requirement *1
Graduation Project			Must register by a student through Loyola for Graduation Project during the course registration period of the final semester. The project will be submitted as a research paper, which will be evaluated for successful completion of the credit-track.

*1 Students who wish to apply for early graduation will only be required to receive passing grades for the number of semesters they enrolled in.

Research Guidance Schedule

For details regarding the timeline of course enrollment, refer to the GSGENV Student Handbook distributed at the new students' orientation in the beginning of the semester.

2. Evaluation Criteria

Criteria for the Evaluation of Master's Thesis

Based on the Diploma Policy, the submitted thesis will be evaluated in accordance with the following criteria and points in order to determine whether the student has learned and acquired the competency to communicate information to society at large by analyzing global environmental issues and environmental research themes to be explored using appropriate research methods such as combining expertise of social science and natural science or combining theory and practice, and by logically describing and verbally conveying the findings.

1. **Thesis topic:** The thesis shall address the reason(s) for the selection of the topic to solve environmental issues today and clarify its appropriateness.
2. **Previous studies:** The thesis shall cover previous studies on the selected topic up to now and exhibit the updated status of the studies appropriately.
3. **Originality:** The thesis shall establish an original hypothesis that is the basis for approaching a thesis topic relevantly or illustrate original, unique aspects of research.
4. **Research method:** The thesis shall demonstrate originally collected data or new materials to test a hypothesis. In addition, the thesis shall integrate knowledge covering several academic

disciplines related to the social and natural sciences, or exhibit feedbacks between theories and practices.

5. **Thesis structure:** The thesis shall clearly exhibit the structure of the contents and the logical flow of research. There shall be consistency among the thesis topic, the hypothesis, and the conclusion. In addition, the thesis shall demonstrate an original analysis comprehensively.
6. **Ethical standards:** The thesis shall consider ethical standards with respect to research methods and the target(s) of analysis. In addition, the thesis shall meet the ethical standards established by the university and the academic community.
7. **Format:** The thesis shall sufficiently cover materials related to the thesis topic and clearly indicate sources of information and data in citations and in a list of references. In addition, the thesis shall demonstrate a high level of writing and follow required formats for writing.
8. **Language:** The thesis shall demonstrate necessary knowledge of a foreign language.

Criteria for the Evaluation of Research Paper

Based on the Diploma Policy, submitted research papers will be evaluated in accordance with the following criteria and points in order to determine whether the student has learned and acquired the competency to communicate information to society at large by discussing global environmental issues and environmental research themes to be explored from combined viewpoints of social science and natural science and by logically describing and verbally conveying the findings.

1. **Topic:** The research paper shall address the reason(s) for the selection of the topic to solve environmental issues today and clarify the appropriateness of the topic.
2. **Previous studies:** The research paper shall cover previous studies on the selected topic up to now and exhibit the updated status of the studies appropriately.
3. **Research method:** The research paper shall demonstrate originally collected data or new materials to test a hypothesis. In addition, it shall integrate knowledge covering several academic disciplines related to the social and natural sciences, or exhibit feedbacks between theories and practices.
4. **Structure:** The research paper shall clearly exhibit the structure of the contents of the research paper and the logical flow of research. There shall be consistency among the topic, the hypothesis, and the conclusion. In addition, the research paper shall demonstrate an original analysis comprehensively.
5. **Ethical standards:** The research paper shall consider ethical standards with respect to research methods and the target(s) of analysis. In addition, it shall meet the ethical standards established by the university and the academic community.
6. **Format:** The research paper shall sufficiently cover materials related to the topic and clearly indicate sources of information and data in citations and in a list of references. In addition, it shall demonstrate a high level of writing and follow required formats for writing.
7. **Language:** The research paper shall demonstrate necessary knowledge of a foreign language.

3. Curriculum Structure/credits [applicable to all matriculation years]

Course Title	Credits	
	Compulsory elective	Elective
ENVIRONMENTAL ECONOMICS		2
ECONOMIC VALUATION OF THE NATURAL ENVIRONMENT		2
STRATEGIC ENVIRONMENTAL MANAGEMENT		2
ENVIRONMENT AND DEVELOPMENT IN DEVELOPING COUNTRIES		2
ENVIRONMENTAL POLICY: ANALYSIS AND PRACTICE		2
FRONTIER OF ENVIRONMENTAL STUDIES		2
ENVIRONMENTAL HISTORY		2
JAPANESE ENVIRONMENTAL LAW		2
BASIC OCEANOGRAPHY AND GLOBAL ENVIRONMENTAL SCIENCE		2
ENVIRONMENTAL DATA SCIENCE		2
ENVIRONMENTAL ECOLOGY		2
ECOLOGICAL RISK ASSESSMENT OF POLLUTANTS		2
ENVIRONMENTAL ASSESSMENT		2
ENVIRONMENTAL PLANNING		2
GLOBAL ENVIRONMENT OUTLOOK		2
TRANSDISCIPLINARY STUDIES FOR SUSTAINABILITY		2
GLOBAL ENVIRONMENTAL GOVERNANCE		2
MARINE ENVIRONMENTAL POLICY		2
ASIAN ENVIRONMENTAL STUDIES		4
BUSINESS STRATEGIES FOR SUSTAINABILITY		2
ENVIRONMENTAL RESOURCE MANAGEMENT POLICY		2
INTRODUCTION TO ENVIRONMENTAL ACCOUNTING		2
WASTE MANAGEMENT IN ASIA		2
ENERGY AND ENVIRONMENTAL TECHNOLOGY		2
STATISTICS FOR ENVIRONMENTAL STUDIES		2
RESEARCH METHODS FOR SOCIO-ECOLOGICAL STUDIES		2
ENGINEERING OF RECYCLING		2
ENVIRONMENT AND HEALTH		2
INDUSTRIAL ECOLOGY		2
URBAN SUSTAINABILITY		2
FOREST AND HUMAN INTERACTIONS		2
ENVIRONMENTAL REMOTE SENSING		2
SUSTAINABLE TOURISM DESIGN		2
GOVERNANCE FOR SUSTAINABLE DEVELOPMENT		2
RENEWABLE ENERGY SYSTEM		2
ENVIRONMENTAL ISSUES IN GLOBAL SOUTH		2
DIGITAL INNOVATIONS FOR SUSTAINABILITY		2
THEORETICAL FOUNDATIONS FOR ENVIRONMENTAL SUSTAINABILITY STUDY		2
SDGS IN THE CONTEXT OF DEVELOPING COUNTRIES		2
演習／SEMINAR A	2	
演習／SEMINAR B	2	
演習／SEMINAR C	2	
演習／SEMINAR D	2	
CORPORATE FINANCE *1		4
ENGLISH FOR SCIENCE / ENGINEERING A*2		2
ENGLISH FOR SCIENCE / ENGINEERING B*2		2
ENVIRONMENTAL CHEMISTRY *2		2
ENVIRONMENTAL LIFE SCIENCE *2		2
ENVIRONMENTAL BASIC BIOLOGY *2		2
GREEN SCIENCE AND ENGINEERING (PHYSICS) *2		1
GREEN SCIENCE AND ENGINEERING (MECHANICAL ENGINEERING) *2		1
GREEN SCIENCE AND ENGINEERING (APPLIED CHEMISTRY) *2		1
GREEN SCIENCE AND ENGINEERING (CHEMISTRY) *2		1
GREEN SCIENCE AND ENGINEERING (BIOSCIENCE) *2		1

Course Title	Credits	
	Compulsory elective	Elective
GREEN SCIENCE AND ENGINEERING (INFORMATION SCIENCE) *2		1
GREEN SCIENCE AND ENGINEERING (ELECTRICAL AND ELECTRONICS ENGINEERING) *2		1
GREEN SCIENCE AND ENGINEERING (MATHEMATICS) *2		1
SEMINAR ON SUSTAINABLE SOCIETIES 1*3		2
SEMINAR ON SUSTAINABLE SOCIETIES 2*3		2

*1 Offered by the Graduate Program in Economics

*2 Offered by the Graduate Program in Science and Technology

*3 Offered by the Graduate Program in Human Sciences

Courses Offered in Japanese

Course Title	Credits	
	Compulsory elective	Elective
日本の環境法		2
環境リスクマネジメント		2
環境経済学		2
自然環境の経済評価		2
地球環境政策・国際環境条約入門		2
環境汚染の生態リスク		2
環境生態学		2
国際環境法		2
環境経営学		2
地球環境システム学		2
環境研究のための統計学		2
サステイナブル社会デザイン学		2
環境データサイエンス		2
リサーチ・メソッド		2
エネルギーと環境		2
防災・減災と社会環境		2
環境教育		2
環境研究のフロンティア		2
環境計画・リスクマネジメント論		2
環境と健康		2
産業エコロジー		2
都市サステイナビリティ		2
森林生態学		2
環境リモートセンシング		2
気候変動と現代社会		2
森林環境政策		2
(他) 環境法政策 ※注1		2
(他) 比較環境法 ※注1		2
(他) 分野横断研究法：原理と技法 ※注2		2

注1：法科大学院開講科目

注2：神学研究科神学専攻開講科目

4. Notes about Course Enrollment

For details regarding the timeline of course enrollment, refer to the GSGENV Student Handbook handed out at the new students' orientation in the beginning of the semester.

1) Completion Requirements

Students are required to choose the Thesis-track or Credit-track at the beginning of the first semester.

Research Guidance (non-credit but compulsory) will be registered every semester by the Center for Academic Affairs based on the notification of their advisors from the program office. They will be registered in late May for Spring semester and late November for Autumn semester. Students must receive passing grades at least four semesters for their Research Guidance. However, for students applying for early graduation will only be required to receive passing grades for the number of semesters they enrolled in.

Professors: TANAKA Yoshinari, NAKAGAWA Yoshinori, PUTHENKALAM John Joseph, ORI Akemi, McDONALD Anne, HUANG Guangwei, SUZUKI Masachika, ANNO Sumiko, QIAN Xuepeng

A. Thesis-track

- ① Must earn 8 credits in “演習／Seminar”(Compulsory elective). The sequence of the Seminars does not have to be in order. At least 4 credits earned for 演習／Seminar must be taught by your academic supervisor. You may register for multiple 演習／Seminar offered by different instructors. Up to 12 credits from 演習／Seminar may be approved as completion requirements and up to 4 credits may be included into Electives. You may not repeatedly register for the same 演習／Seminar offered by the same instructor.
- ② Must earn 22 credits of Electives.
- ③ Must register for Master’s Thesis in the final semester, complete the Master’s Thesis under the guidance of the academic supervisor and successfully defend the oral examination.

B. Credit-track

- ① Must earn 4 credits in “演習／Seminar” (Compulsory elective) instructed by the academic supervisor. The sequence of the Seminars does not have to be in order. You may register for multiple 演習／Seminar offered by different instructors. Up to 8 credits from 演習／Seminar may be included into completion requirements and up to 4 credits may be counted towards Electives. You may not repeatedly take the same 演習／Seminar offered by the same instructor.
- ② Must earn 30 credits from Electives.
- ③ Must register for Graduation Project in the final semester, complete the research paper under the guidance of the academic advisor and successfully defend the oral examination.

2) Notes about course registration

- i) You cannot repeat a course of the same title even when it is offered by a different lecturer (except for 演習／Seminar).
- ii) Course registration for “Asian Environmental Studies” is accepted during the course registration period. However, if the number of students who register for the course exceed the course capacity, the instructor will select the students who can take the course. Students who were not selected must withdraw from the course during the withdrawal period. This course is graded either P or X.
- iii) To register for 「分野横断型研究法：原理と技法」 which is a lottery course, please follow the necessary registration process explained on 「2026年度履修要覧 [ガイド・資料編]」.

5. List of Courses Offered (applicable to all matriculation years)

Registration Code	Semester	Course Title	Course Numbering	Credits	Instructor * : Part-time teacher Co) : Coordinator	Offered in English	Remarks
MGGE8012	Not Offered	演習／SEMINAR B	ENV502-94j00	2	PUTHENKALAM John Joseph	○	
MGGE8021	SPR	演習／SEMINAR A	ENV505-94e00	2	MCDONALD Anne	○	
MGGE8022	SPR	演習／SEMINAR B	ENV506-94e00	2	MCDONALD Anne	○	
MGGE8031	SPR	演習／SEMINAR A	ENV509-94e00	2	HUANG Guangwei	○	
MGGE8032	SPR	演習／SEMINAR B	ENV510-94e00	2	HUANG Guangwei	○	
MGGE8061	SPR	演習／SEMINAR A	ENV517-94j00	2	織 朱實		
MGGE8062	SPR	演習／SEMINAR B	ENV518-94e00	2	ORI Akemi	○	
MGGE8071	SPR	演習／SEMINAR A	ENV521-94j00	2	田中 嘉成		
MGGE8072	SPR	演習／SEMINAR B	ENV522-94e00	2	TANAKA Yoshinari	○	
MGGE8091	SPR	演習／SEMINAR A	ENV529-94e00	2	SUZUKI Masachika	○	
MGGE8092	SPR	演習／SEMINAR B	ENV530-94e00	2	SUZUKI Masachika	○	
MGGE8111	SPR	演習／SEMINAR A	ENV541-94e00	2	ANNO Sumiko	○	
MGGE8112	SPR	演習／SEMINAR B	ENV542-94j00	2	安納 住子		Combined with “Seminar A-1”
MGGE8121	SPR	演習／SEMINAR A	ENV545-94e00	2	*TSUGE Takahiro	○	
MGGE8122	SPR	演習／SEMINAR B	ENV546-94j00	2	*柘植 隆宏		
MGGE8131	SPR	演習／SEMINAR A	ENV549-94e00	2	QIAN Xuepeng	○	
MGGE8132	SPR	演習／SEMINAR B	ENV550-94j00	2	錢 学鹏		
MGGE8141	SPR	演習／SEMINAR A	ENV553-94e00	2	PARK Haemi	○	
MGGE8142	SPR	演習／SEMINAR B	ENV554-94j00	2	朴 慧美		
MGGE8151	SPR	演習／SEMINAR A	ENV557-94e00	2	中川 善典		
MGGE8152	SPR	演習／SEMINAR B	ENV558-94j00	2	NAKAGAWA Yoshinori	○	
MGGE8161	SPR	演習／SEMINAR A	ENV561-94j00	2	LONGFOR Nkweuseh	○	
MGGE8162	SPR	演習／SEMINAR B	ENV562-94j00	2	LONGFOR Nkweuseh	○	
MGGE7730	SPR	ENVIRONMENT AND DEVELOPMENT IN DEVELOPING COUNTRIES	ENV639-94e00	2	PUTHENKALAM John Joseph	○	
MGGE6180	SPR	FOREST AND HUMAN INTERACTIONS	ENV687-94e00	2	*KOYAMA Christian Naohide	○	
MGGE7120	SPR	INDUSTRIAL ECOLOGY	ENV683-94e00	2	QIAN Xuepeng	○	
MGGE7650	SPR	GLOBAL ENVIRONMENT OUTLOOK	ENV634-94e00	2	HUANG Guangwei	○	
MGGE7655	SPR	JAPANESE ENVIRONMENTAL LAW	ENV648-94e00	2	ORI Akemi	○	
MGGE7695	SPR	ASIAN ENVIRONMENTAL STUDIES	ENV661-94e00	4	HUANG Guangwei	○	Intensive course*1*2
MGGE7750	SPR	ENVIRONMENTAL PLANNING	ENV640-94e00	2	HUANG Guangwei	○	
MGGE7766	SPR	GOVERNANCE FOR SUSTAINABLE DEVELOPMENT	ENV679-94e00	2	LONGFOR Nkweuseh	○	
MGGE7767	SPR	RENEWABLE ENERGY SYSTEM	ENV680-94e00	2	LONGFOR Nkweuseh	○	
MGGE7810	SPR	ENVIRONMENTAL HISTORY	ENV633-94e00	2	MCDONALD Anne	○	
MGGE7820	SPR	ENVIRONMENTAL ECOLOGY	ENV651-94e00	2	TANAKA Yoshinari	○	
MGGE7835	SPR	ENVIRONMENTAL POLICY: ANALYSIS AND PRACTICE	ENV653-94e00	2	MCDONALD Anne	○	
MGGE7840	SPR	ENVIRONMENTAL ECONOMICS	ENV674-94e00	2	*TSUGE Takahiro	○	

Registration Code	Semester	Course Title	Course Numbering	Credits	Instructor * : Part-time teacher Co) : Coordinator	Offered in English	Remarks
MGGE7980	SPR	BUSINESS STRATEGIES FOR SUSTAINABILITY	ENV645-94e00	2	SUZUKI Masachika	○	
MGGE8020	SPR	ENVIRONMENT AND HEALTH	ENV603-94e00	2	*TIN TIN Win Shwe	○	
MGGE8060	SPR	STATISTICS FOR ENVIRONMENTAL STUDIES	ENV696-94e00	2	NAKAGAWA Yoshinori	○	
MGGE9510	SPR	MASTER'S THESIS	ENV667-94e00	0	Academic supervisors		
MGGE9530	SPR	GRADUATION PROJECT	ENV666-94e00	0	Academic supervisors		
MGGE8030	Not Offered	ENVIRONMENTAL DATA SCIENCE	ENV693-94e00	2	ANNO Sumiko	○	
MGGE801B	Not Offered	演習 / SEMINAR D	ENV504-94j00	2	PUTHENKALAM John Joseph	○	
MGGE802A	AUT	演習 / SEMINAR C	ENV507-94e00	2	MCDONALD Anne	○	
MGGE802B	AUT	演習 / SEMINAR D	ENV508-94e00	2	MCDONALD Anne	○	
MGGE803A	AUT	演習 / SEMINAR C	ENV511-94e00	2	HUANG Guangwei	○	
MGGE803B	AUT	演習 / SEMINAR D	ENV512-94e00	2	HUANG Guangwei	○	
MGGE806A	AUT	演習 / SEMINAR C	ENV519-94j00	2	織 朱實	○	
MGGE806B	AUT	演習 / SEMINAR D	ENV520-94e00	2	ORI Akemi	○	
MGGE807A	AUT	演習 / SEMINAR C	ENV523-94j00	2	田中 嘉成	○	
MGGE807B	AUT	演習 / SEMINAR D	ENV524-94e00	2	TANAKA Yoshinari	○	
MGGE809A	AUT	演習 / SEMINAR C	ENV531-94e00	2	SUZUKI Masachika	○	
MGGE809B	AUT	演習 / SEMINAR D	ENV532-94e00	2	SUZUKI Masachika	○	
MGGE811A	AUT	演習 / SEMINAR C	ENV543-94e00	2	ANNO Sumiko	○	
MGGE811B	AUT	演習 / SEMINAR D	ENV544-94j00	2	安納 住子	○	Combined with "Seminar A-2"
MGGE812A	AUT	演習 / SEMINAR C	ENV547-94e00	2	TBD	○	
MGGE812B	AUT	演習 / SEMINAR D	ENV548-94j00	2	柘植 隆宏	○	
MGGE813A	AUT	演習 / SEMINAR C	ENV551-94e00	2	QIAN Xuepeng	○	
MGGE813B	AUT	演習 / SEMINAR D	ENV552-94j00	2	錢 学鹏	○	
MGGE814A	AUT	演習 / SEMINAR C	ENV555-94e00	2	PARK Haemi	○	
MGGE814B	AUT	演習 / SEMINAR D	ENV556-94j00	2	朴 慧美	○	
MGGE815A	AUT	演習 / SEMINAR C	ENV559-94e00	2	中川 善典	○	
MGGE815B	AUT	演習 / SEMINAR D	ENV560-94j00	2	NAKAGAWA Yoshinori	○	
MGGE816A	AUT	演習 / SEMINAR C	ENV563-94j00	2	LONGFOR Nkweauseh	○	
MGGE816B	AUT	演習 / SEMINAR D	ENV564-94j00	2	LONGFOR Nkweauseh	○	
MGGE6220	3Q	GLOBAL ENVIRONMENTAL GOVERNANCE	ENV637-94e00	2	*NAGAI Masaharu	○	
MGGE6200	AUT	ENVIRONMENTAL REMOTE SENSING	ENV689-94e00	2	PARK Haemi	○	
MGGE6210	AUT	ENVIRONMENTAL RESOURCE MANAGEMENT POLICY	ENV636-94e00	2	*SHIBATA Shingo	○	Intensive course*1
MGGE6230	AUT	TRANSDISCIPLINARY STUDIES FOR SUSTAINABILITY	ENV638-94e00	2	Co) HUANG Guangwei	○	Team-taught course
MGGE7140	AUT	URBAN SUSTAINABILITY	ENV685-94e00	2	QIAN Xuepeng	○	
MGGE7685	AUT	ENERGY AND ENVIRONMENTAL TECHNOLOGY	ENV647-94e00	2	SUZUKI Masachika	○	
MGGE7690	AUT	INTRODUCTION TO ENVIRONMENTAL ACCOUNTING	ENV643-94e00	2	*MURAI Hideki	○	
MGGE7765	AUT	SUSTAINABLE TOURISM DESIGN	ENV671-94e00	2	*YAMAGATA Yoshiki	○	Intensive course*1*3

Registration Code	Semester	Course Title	Course Numbering	Credits	Instructor * : Part-time teacher Co) : Coordinator	Offered in English	Remarks
MGGE7768	AUT	ENVIRONMENTAL ISSUES IN GLOBAL SOUTH	ENV681-94e00	2	LONGFOR Nkweauseh	○	
MGGE7769	AUT	DIGITAL INNOVATIONS FOR SUSTAINABILITY	ENV600-94e00	2	LONGFOR Nkweauseh	○	
MGGE7770	AUT	ENVIRONMENTAL ASSESSMENT	ENV641-94e00	2	HUANG Guangwei	○	
MGGE7780	AUT	ENGINEERING OF RECYCLING	ENV672-94e00	2	Co) ORI Akemi	○	Team-taught course
MGGE7830	AUT	ECOLOGICAL RISK ASSESSMENT OF POLLUTANTS	ENV652-94e00	2	TANAKA Yoshinari	○	
MGGE7850	Not Offered	ECONOMIC VALUATION OF THE NATURAL ENVIRONMENT	ENV675-94e00	2		○	
MGGE7855	AUT	WASTE MANAGEMENT IN ASIA	ENV657-94e00	2	ORI Akemi	○	
MGGE7865	AUT	BASIC OCEANOGRAPHY AND GLOBAL ENVIRONMENTAL SCIENCE	ENV654-94e00	2	Co) MCDONALD Anne	○	Team-taught course
MGGE7795	AUT	MARINE ENVIRONMENTAL POLICY	ENV646-94e00	2	MCDONALD Anne	○	Intensive course*1
MGGE7960	AUT	STRATEGIC ENVIRONMENTAL MANAGEMENT	ENV642-94e00	2	SUZUKI Masachika	○	
MGGE8080	AUT	RESEARCH METHODS FOR SOCIO-ECOLOGICAL STUDIES	ENV698-94e00	2	NAKAGAWA Yoshinori	○	
MGGE7875	AUT	FRONTIER OF ENVIRONMENTAL STUDIES	ENV655-94e00	2		○	Every other year Team-taught course
MGGE7985	AUT	THEORETICAL FOUNDATIONS FOR ENVIRONMENTAL SUSTAINABILITY STUDY	ENV608-94e00	2	PUTHENKALAM John Joseph	○	
MGGE7995	AUT	SDGS IN THE CONTEXT OF DEVELOPING COUNTRIES	ENV609-94e00	2	PUTHENKALAM John Joseph	○	
MGGE9520	AUT	MASTER'S THESIS	ENV667-94e00	0	Academic supervisors		
MGGE9540	AUT	GRADUATION PROJECT	ENV666-94e00	0	Academic supervisors		
MHSC7390		SEMINAR ON SUSTAINABLE SOCIETIES 1	SOC527-83e00	2		○	(other) Grad. Program in Human Sciences
MHSC7400		SEMINAR ON SUSTAINABLE SOCIETIES 2	SOC528-83e00	2		○	(other) Grad. Program in Human Sciences
MEEC7191		CORPORATE FINANCE	ECN537-55e00	4		○	(other) Grad. Program in Economics
MSCT7025		ENGLISH FOR SCIENCE / ENGINEERING A	SCT513-75e00	2		○	(other) Grad. Program in Science and Technology
MSCT7045		ENGLISH FOR SCIENCE / ENGINEERING B	SCT514-75e00	2		○	(other) Grad. Program in Science and Technology
MSGR7180		ENVIRONMENTAL LIFE SCIENCE	BIO504-75e00	2		○	(other) Grad. Program in Science and Technology
MSGR7012		GREEN SCIENCE AND ENGINEERING (ELECTRICAL AND ELECTRONICS)	EEE513-75e00	1		○	(other) Grad. Program in Science and Technology
MSGR7017		GREEN SCIENCE AND ENGINEERING (BIOSCIENCE)	BIO505-75e00	1		○	(other) Grad. Program in Science and Technology
MSGR7250		GREEN SCIENCE AND ENGINEERING (MATHEMATICS)	MTH523-75e00	1		○	(other) Grad. Program in Science and Technology
MSGR7014		GREEN SCIENCE AND ENGINEERING (CHEMISTRY)	CHM501-75e00	1		○	(other) Grad. Program in Science and Technology
MSGR7013		GREEN SCIENCE AND ENGINEERING (APPLIED CHEMISTRY)	ACH505-75e00	1		○	(other) Grad. Program in Science and Technology
MSGR7170		ENVIRONMENTAL BASIC BIOLOGY	BIO503-75e00	2		○	(other) Grad. Program in Science and Technology
MSGR7090		ENVIRONMENTAL CHEMISTRY	ACH503-75e00	2		○	(other) Grad. Program in Science and Technology
MSGR7016		GREEN SCIENCE AND ENGINEERING (PHYSICS)	PHY501-75e00	1		○	(other) Grad. Program in Science and Technology
MSGR7011		GREEN SCIENCE AND ENGINEERING (MECHANICAL ENGINEERING)	MEC515-75e00	1		○	(other) Grad. Program in Science and Technology
MSGR7018		GREEN SCIENCE AND ENGINEERING (INFORMATION SCIENCE)	INF508-75e00	1		○	(other) Grad. Program in Science and Technology

*1 For Intensive Courses, check the schedule and classroom on My Sophia Bulletin Board.

*2 Course registration is accepted during the course registration period, but if the numbers of students who register for the course exceed the course capacity, the instructor will select the students who can take the course. Students who were not selected must withdraw from the course during the withdrawal period. This course is graded either P or X.

*3 Course title change from previously offered course in AY 2024: URBAN SYSTEMS DESIGN OF SMART CITIES FOR ACHIEVING SDGS Students may only take one of the two courses.

Courses Offered in Japanese

登録コード	開講期	科目名	ナンバリング	単位数	担当教員名 ※(他)：他専攻教員 *：非常勤教員	外国語	備考
MGGE6000	春	日本の環境法	ENV623-94j00	2	織 朱實		隔週開講，春学期集中※注1
MGGE6080	春	環境経営学	ENV622-94j00	2	鈴木 政史		
MGGE7110	春	産業エコロジー	ENV682-94j00	2	銭 学鵬		
MGGE7570	春	環境生態学	ENV629-94j00	2	田中 嘉成		
MGGE7590	春	環境経済学	ENV669-94j00	2	*柘植 隆宏		
MGGE7290	春	環境教育	ENV611-94j00	2	(他)吉川 まみ		
MGGE7640	春	地球環境システム学	ENV676-94j00	2	*一ノ瀬 俊明		
MGGE8000	春	リサーチ・メソッド	ENV601-94j00	2	*平尾 桂子		
MGGE6170	春	森林生態学	ENV695-94j03	2	朴 慧美		
MGGE8040	休講	環境データサイエンス	ENV694-94j00	2	安納 住子		
MGGE8070	春	環境研究のための統計学	ENV697-94j00	2	中川 善典		
MGGE8090	春	サステイナブル社会デザイン学	ENV695-94j01	2	中川 善典		春学期集中※注1
MGGE6025	秋	環境リスクマネジメント	ENV624-94j00	2	織 朱實		
MGGE6150	秋	気候変動と現代社会	ENV691-94j00	2	*野尻 幸宏		秋学期集中※注1
MGGE6160	秋	地球環境政策・国際環境条約入門	ENV692-94j00	2	まくどなるど あん		
MGGE6190	秋	環境リモートセンシング	ENV688-94j00	2	朴 慧美		
MGGE7130	秋	都市サステイナビリティ	ENV684-94j00	2	銭 学鵬		
MGGE7210	秋	エネルギーと環境	ENV604-94j00	2	*木村 浩		
MGGE7300	休講	環境研究のフロンティア	ENV607-94j00	2	コ)田中 嘉成		輪講，隔年開講
MGGE7560	秋	環境汚染の生態リスク	ENV628-94j00	2	田中 嘉成		
MGGE7600	休講	自然環境の経済評価	ENV670-94j00	2	未定		
MGGE7630	秋	環境計画・リスクマネジメント論	ENV616-94j00	2	黄 光偉		秋学期集中※注1
MGGE6035	秋	国際環境法	ENV625-94j00	2	*鈴木 詩衣菜		
MGGE8010	秋	環境と健康	ENV602-94j00	2	*高橋 一彰		
MGGE8050	秋	防災・減災と社会環境	ENV695-94j00	2	*三浦 一彦		
MTTH7780		分野横断研究法：原理と技法	ENV695-94j02	2			(他)神学研究科神学専攻 [30名]輪講 博士前期課程または修士課程1年次生対象 ※注2
LWS54100		環境法政策	ENL702-10j00	2			(他)法科大学院
LWS54600		比較環境法	ENV695-94j04	2			(他)法科大学院 隔年開講

※注1 集中講義科目の日程は、My Sophia掲示板で確認すること

※注2 評価にはP(合格)・X(不合格)を使用する。

Research Guidance List

Course Numbering	Instructor's Name	Notes
ENV632-94e00	ANNO Sumiko	
	HUANG Guangwei	
	MCDONALD Anne	
	NAKAGAWA Yoshinori	
	ORI Akemi	
	PUTHENKALAM John Joseph	
	QIAN Xuepeng	
	SUZUKI Masachika	
	TANAKA Yoshinari	

6. Early Graduation

Students who wish to graduate in 2 or 3 semesters can apply for Early Graduation if they are in good academic standing by the judgment of the faculty and satisfy the following requirements:

- A. Submit an “Early Graduation Request” form to the Graduate School Office during the registration period in the semester they wish to graduate.
- B. Complete the required credits of courses from the IGCGENV curriculum by the time of graduation and obtain a GPA of 3.8 or higher.
- C. Complete all the requirements and have M.A. thesis or research paper evaluated as “A.”

7. Double Degree M.A. Program

Master of Education, The Education University of Hong Kong (EdUHK)

<For students admitted in and after Autumn 2024>

Program participants are required to fulfill the requirements of EdUHK and GSGENV, and upon successful completion of the program, will be awarded two degrees – a degree for Master of Education from EdUHK and a degree for Master of Arts in Environmental Studies from Sophia University.

Details will be given at the guidance for newly entering students. Those with interest must contact the Dean of GSGENV during their first month of enrollment.

Applicants will be screened based on the submitted application documents at GSGENV for internal screening, and then proceed to screening by EdUHK.

Eligibility

Students enrolled in GSGENV

Language Requirement

*Only for General Course (Japanese-taught Program) applicants

IELTS 6.0 / TOEFL iBT 80 / Chinese Mainland’s College English Test (CET) Band-6 score higher than 430

Standard Study Model for GSGENV Students

Entry	Sem. 1	Sem. 2	Sem. 3	Sem. 4
Spring/ Autumn	Sophia	Sophia	EdUHK	Sophia

*Sem. = Semester

For more details of the program and application procedure, please address your inquiries to the GSGENV office.

Ph.D. CURRICULUM

Ph.D. in Global Environmental Studies

The Ph.D. in Global Environmental Studies is designed for the advanced study of specific areas related to the global environment. While the questions and lines of inquiry are interdisciplinary, research and writing agendas emphasize methods and concepts from various disciplines of economics, law, political science, sociology, natural science as well as engineering. The degree is intended to prepare persons for academic positions in research institutions, IGOs and NGOs engaged in the area of environmental issues, the public and private sector and requiring advanced knowledge pertaining to specific environmental and sustainability issues.

The International Graduate Course in Global Environmental Studies (IGCGENV) Ph.D. program requires a three-year residency and is focused upon the production of a doctoral dissertation. Candidates are encouraged to participate in workshops and other program activities while taking at least 6 credits from designated courses including the supervisor's course(s). Ph.D. candidates must first pass several qualifying exams and then, upon successful defense of a dissertation prospectus, proceed to dissertation research and writing. To ensure solid guidance of dissertation research and production, entrance is limited to only a few candidates each year.

1. Completion Requirements: Required Courses, Credits, Number of Course 【Students who entered in 2018 or after】

Requirements	Credits	Number of courses	Remarks
Total credits	6		
Compulsory			
Electives	6		
Research Guidance (compulsory)		6	*1 *3
Doctoral Dissertation			*2

【Students who entered before 2017】

Requirements	Credits	Number of courses	Remarks
Total credits			
Compulsory			
Electives			
Research Guidance (compulsory)			*1
Doctoral Dissertation			*2

*1 No credits given. Automatically registered. For details, see 4. Notes about course Enrollment 1) Completion Requirements.

*2 Complete required research guidance, write doctoral thesis in English, submit by designated deadline and successfully defend doctoral dissertation.

*3 Students admitted in and after 2024 and wishes to apply for early graduation will only be required to receive passing grades for the number of semesters they enrolled in.

2. Evaluation Criteria

Criteria for the Evaluation of Doctoral Dissertation

Based on the Diploma Policy, an applicant must exhibit the ability to continue research as an independent researcher and to make unique contribution to research in the field and area of his/her own specialization in the years to come, and must satisfy the following criteria at a high level. A submitted doctoral thesis will be evaluated in accordance with the following criteria and points in order to determine whether an applicant has research competency of an international level in global environment studies and a potential to become a specialized human resource who contributes to the realization of a sustainable society.

1. **Dissertation topic:** The dissertation shall address the reason(s) for the selection of the topic to solve environmental issues today and clarify its appropriateness.
2. **Previous studies:** The dissertation shall cover previous studies on the selected topic up to now and exhibit the updated status of the studies appropriately.
3. **Originality:** The dissertation shall establish an original hypothesis that is the basis for approaching a dissertation topic relevantly, or illustrate original, unique aspects of research.
4. **Research method:** The dissertation shall demonstrate originally collected data or new materials to test a hypodissertation. In addition, the dissertation shall integrate knowledge covering several academic disciplines including social science and natural science, or exhibit feedbacks between theories and practices.
5. **Dissertation structure:** The dissertation shall clearly exhibit the structure of the contents of the dissertation and the logical flow of research. There shall be consistency among the dissertation topic, the hypothesis, and the conclusion. In addition, the dissertation shall describe an original analysis comprehensively.
6. **Ethical standards:** The dissertation shall consider ethical standards with respect to research methods and the target(s) of analysis. In addition, the dissertation shall meet the ethical standards established by the university and the academic community.
7. **Format:** The dissertation shall sufficiently cover materials related to the dissertation topic and clearly indicate sources of information and data in citations and in a list of references. In addition, the dissertation shall demonstrate a high level of writing and follow required formats for the writing.
8. **Language:** The dissertation shall demonstrate the necessary knowledge of a foreign language.

The required dissertation review process shall follow the procedure stipulated in the Graduate School of Global Environmental Studies' internal regulations.

3. Curriculum Structure/credits [applicable to all matriculation years]

Course Title	Credits		
	Compulsory	Compulsory elective	Elective
RESEARCH GUIDANCE	0		
環境生態学特論			2
日本の環境法特論			2
環境データサイエンス特論			2
自然環境の経済評価特論			2
産業エコロジー特論			2
サステイナブル社会デザイン学特論			2
ADVANCED BUSINESS STRATEGIES FOR SUSTAINABILITY			2
ADVANCED ENVIRONMENTAL POLICY: ANALYSIS AND PRACTICE			2
ADVANCED GLOBAL ENVIRONMENT OUTLOOK			2
ADVANCED ENVIRONMENTAL PLANNING			2
ADVANCED ENVIRONMENT AND DEVELOPMENT IN DEVELOPING COUNTRIES			2
ADVANCED STATISTICS FOR ENVIRONMENTAL STUDIES			2
ADVANCED WASTE MANAGEMENT IN ASIA			2
ADVANCED ENVIRONMENTAL DATA SCIENCE			2
ADVANCED STRATEGIC ENVIRONMENTAL MANAGEMENT			2
ADVANCED MARINE ENVIRONMENTAL POLICY			2
ADVANCED ENVIRONMENTAL ASSESSMENT			2
ADVANCED ECOLOGICAL RISK ASSESSMENT OF POLLUTANTS			2
ADVANCED ECONOMIC VALUATION OF THE NATURAL ENVIRONMENT			2
ADVANCED INDUSTRIAL ECOLOGY			2
ADVANCED FOREST AND HUMAN INTERACTIONS			2
ADVANCED ENVIRONMENTAL REMOTE SENSING			2

4. Notes about Course Enrollment

Research Guidance (non-credit but compulsory) will be registered every semester by the Center for Academic Affairs based on the notification of their advisors from the program office. They will be registered in late May for Spring semester and late November for Autumn semester. Students must receive passing grades at least six semesters for their Research Guidance.

Students who entered in 2024 and onwards and wishes to apply for early graduation will only be required to receive passing grades for the number of semesters they enrolled in.

Professor: TANAKA Yoshinari, NAKAGAWA Yoshinori, PUTHENKALAM John Joseph, ORI Akemi, McDONALD Anne, HUANG Guangwei, SUZUKI Masachika, ANNO Sumiko, QIAN Xuepeng

Upon passing the qualifying examination and successful defense of dissertation prospectus, a student must submit the doctoral dissertation in English according to specified procedures, and successfully defend it before the examination committee.

For details regarding course enrollment and requirements for submitting the doctoral dissertation, refer to the GSGENV Student Handbook handed out at the new students' orientation in the beginning of the semester.

5. List of Courses Offered (applicable to all matriculation years)

Registration Code	Semester	Course Title	Course Numbering	Credits	Instructor * : Part-time teacher Co) : Coordinator	Offered in English	Remarks
DGGE7010	春	環境生態学特論	ENV802-94j00	2	田中 嘉成		
DGGE7030	春	日本の環境法特論	ENV803-94j00	2	織 朱實		隔週開講, 春学期集中
DGGE7240	春	産業エコロジー特論	ENV828-94j00	2	銭 学鵬		
DGGE7280	休講	環境データサイエンス特論	ENV832-94j00	2	安納 住子		
DGGE7210	休講	自然環境の経済評価特論	ENV821-94j00	2	未定		
DGGE7300	春	サステイナブル社会デザイン学 特論	ENV834-94j00	2	中川 善典		春学期集中※
DGGE7070	SPR	ADVANCED BUSINESS STRATEGIES FOR SUSTAINABILITY	ENV806-94e00	2	SUZUKI Masachika	○	
DGGE7140	SPR	ADVANCED GLOBAL ENVIRONMENT OUTLOOK	ENV812-94e00	2	HUANG Guangwei	○	
DGGE7230	SPR	ADVANCED ENVIRONMENTAL PLANNING	ENV823-94e00	2	HUANG Guangwei	○	
DGGE7250	SPR	ADVANCED INDUSTRIAL ECOLOGY	ENV829-94e00	2	QIAN Xuepeng	○	
DGGE7260	SPR	ADVANCED FOREST AND HUMAN INTERACTIONS	ENV830-94e00	2	PARK Haemi	○	
DGGE7290	Not Offered	ADVANCED ENVIRONMENTAL DATA SCIENCE	ENV833-94e00	2	ANNO Sumiko	○	
DGGE7310	SPR	ADVANCED STATISTICS FOR ENVIRONMENTAL STUDIES	ENV835-94e00	2	NAKAGAWA Yoshinori	○	
DGGE7120	SPR	ADVANCED ENVIRONMENTAL POLICY: ANALYSIS AND PRACTICE	ENV810-94e00	2	MCDONALD Anne	○	
DGGE7170	SPR	ADVANCED ENVIRONMENT AND DEVELOPMENT IN DEVELOPING COUNTRIES	ENV815-94e00	2	PUTHENKALAM John Joseph	○	
DGGE7080	AUT	ADVANCED MARINE ENVIRONMENTAL POLICY	ENV807-94e00	2	MCDONALD Anne	○	Intensive Course
DGGE7090	AUT	ADVANCED ENVIRONMENTAL ASSESSMENT	ENV808-94e00	2	HUANG Guangwei	○	
DGGE7110	AUT	ADVANCED STRATEGIC ENVIRONMENTAL MANAGEMENT	ENV809-94e00	2	SUZUKI Masachika	○	
DGGE7160	AUT	ADVANCED WASTE MANAGEMENT IN ASIA	ENV814-94e00	2	ORI Akemi	○	
DGGE7180	AUT	ADVANCED ECOLOGICAL RISK ASSESSMENT OF POLLUTANTS	ENV816-94e00	2	TANAKA Yoshinari	○	
DGGE7220	Not Offered	ADVANCED ECONOMIC VALUATION OF THE NATURAL ENVIRONMENT	ENV822-94e00	2	STAFF	○	
DGGE7270	AUT	ADVANCED ENVIRONMENTAL REMOTE SENSING	ENV831-94e00	2	PARK Haemi	○	
DSCT8000		ジョブ型研究インターンシップ I	SCT808-75j00	2			(他) 理工学研究科
DSCT8100		ジョブ型研究インターンシップ II	SCT808-75j00	2			(他) 理工学研究科

※集中講義科目の日程は、My Sophia授業掲示板で確認すること

5. Research Guidance List

Course Numbering	Instructor's Name	Notes
ENV820-94e00	ANNO Sumiko	
	HUANG Guangwei	
	MCDONALD Anne	
	NAKAGAWA Yoshinori	
	ORI Akemi	
	PUTHENKALAM John Joseph	
	QIAN Xuepeng	
	SUZUKI Masachika	
	TANAKA Yoshinari	

6. Ph.D. Degree Requirements and Schedules

A doctoral student begins working towards the doctoral degree upon matriculation in ICGGENV. The doctoral program consists of course seminars and individual study and research that meet the minimum requirements of the GSGENV and is approved by the doctoral committee for each individual student. With successful acceptance of the dissertation draft, typically in the third semester, the student is considered as a doctoral candidate. The general requirements for the Ph.D. are a three-year residency and the writing of a thesis that is successfully defended and accepted by the dissertation committee. For students admitted in or after 2018, earning 6 credits from the designated courses is also mandatory. Note that doctorates are not awarded by completing a specified number of courses or credits.

Process for Attaining a Doctorate Degree

For details, refer to the GSGENV Student Handbook.

Step 1: Earning credits (students admitted in or after 2018)

A doctoral student must take at least 6 credits from the specified courses in ICGGENV during the enrollment period.

Step 2: Submission of Dissertation Title

Doctoral students must submit their doctoral thesis title to their supervisor in the first semester of their first year after officially entering the doctoral program. A tentative title is acceptable and title changes based on consultation with supervisor are allowed later.

Step 3: Qualifying Examination (formerly Presentation of Dissertation Plan)

At the beginning of the second year of studies, doctoral students must take part in the Qualifying Examination and present their dissertation plan to all the faculty members of the ICGGENV. Furthermore, depending on consultation with and permission from supervisor, the doctoral student may be given a chance to present their progress once a year.

Step 4: Submission of Dissertation Draft and Midterm Examination (formerly Dissertation Proposal Defense)

To become a doctoral candidate, students must submit a draft of the dissertation and present and defend it in the Midterm Examination, which will be held in front of the faculty members of the ICGGENV. If necessary, an outside reader may be invited to the proposal defense under the consent of the faculty. Upon successful evaluation of the dissertation draft, the doctoral student will officially qualify as a doctoral candidate and should proceed to finalize their research and write up their dissertation. Doctoral candidates are required to consult with their supervisor throughout the writing process of their dissertation.

Step 5: Dissertation Submission and Defense

The final dissertation must be submitted by the end of the semester prior to the one during which the candidate intends to defend the thesis. It must be submitted to the supervisor first to be evaluated at the faculty meeting. The dissertation must obtain approval by the faculty meeting before it is officially submitted to the Center for Academic Affairs. Upon successfully defending the dissertation before the committee, a doctoral degree will be conferred.

7. Early Graduation (Students admitted in and after 2024)

Students who wish to graduate in 4 or 5 semesters can apply for Early Graduation if they are in good academic standing by the judgment of the faculty and satisfy the following requirements:

- A. Submit an “Early Graduation Request” form to the Graduate School Office two semesters prior to the semester they wish to graduate.
- B. Complete the required credits of courses from the IGCGENV curriculum by the time of graduation.
- C. Two peer-reviewed academic journal papers. One of them must be published or accepted for publication by a SCI(Q1 or Q2) or SSCI(Q1 or Q2) indexed journal.
- D. Oral presentation in an academic international conference with good publicity, having participation of researchers from various countries and regions.