Sophia University
Sophia Winter Session for Basic Inter-disciplinary Environmental Studies

Sophia Winter Session for Basic Inter-disciplinary Environmental Studies

（Program Dates: Mid-December 2022 to the end of February 2023）

1. Program Overview

Global warming, extreme weather and other topics have appeared more and more frequently in recent years. A growing number of countries, including Japan, the United States, China, have proposed a carbon-neutral future. There is no doubt that environmental problems will be unavoidable in everyone's work and life in the future.

In response to the current situation, Graduate School of Global Environmental Studies at Sophia University has launched a comprehensive course on global environment, which aims to allow more non-environmental major college students to have some basic knowledge of environmental science, and provide some help for future work, life and study.

The Graduate School of Global Environmental Studies is committed to building this course into an excellent course of comprehensive environmental knowledge that integrates arts and sciences and crosses disciplines. Through this online program, we are committed to enhancing students' sense of participation through weekly workshops and strengthen the absorption of knowledge.

2. Course composition

1. Course schedule

Year	Month	Date	Schedule	Year	Month	Date	Schedule
2022	12	17	Opening ceremony	2023	2	1	Class 8
			Class 1			4	Workshop4
		21	Class 2			6	Class 9
		24	Workshop1			8	Class 10
		28	Class 3			11	Workshop5
2023	1	4	Class 4			13	Class 11
		7	Workshop2			15	Class 12
		14	Class 5			18	Workshop6
		18	Class 6			20	Class 13
		25	Workshop3			22	Class 14
		28	Class 7			25	Workshop7
						28	Summary

*The schedule is subject to change. Each class will be 100 minutes and the time will be announced later.

2. Content of lectures

Introduction to Environmental Science and Engineering	Introduction to Ecology
Introduction to Energy Technology	Getting Started with Environment
Introduction to Environmental Science	Introduction to Environment and Health
Introduction to Remote Sensing Technology	Introduction to Environmental Policy
Introduction to Environmental Law	environmental issues in developing countries
Introduction to Natural Energy Technology	Introduction to Sustainability
Introduction to Environmental Education	Introduction to Environmental Agriculture

3. Introduction of professors

Prof. Yoshinari Tanaka Ph.D. (Agronomy)

Main research fields: Ecological risk assessment of human-induced factors

Research: Development of a comprehensive ecological risk assessment system of chemicals based on the tri-trophic ecosystem model

Courses Taught: Ecology and the and Environment, Chemical Substances and The Environment.

Prof. Akemi Ori Ph.D. (Law)

Main Research Field: Environmental Risks and its Management, Environmental Law, Chemical Management Policy, Waste Management Policy

Research: After taking Ph. D, I was involved in the field of chemical management policy through work on amendments on the Chemical Substances Control Law and the PRTR Act. During deliberations on the bills, I conducted research on how to incorporate international risk management policy in Japanese chemical risk management policy, still continuing research in this area. At the same time, I was keen on the importance of capacity-building of Asian Waste Management Policy. When thinking of Japanese Environmental Waste Management Policy, we could not forget the idea that Japan is the part of the ASEAN Region. This point of view I believe sharing information about ASEAN Environmental Risk and sharing Japan's successes experience how we overcome serious environmental pollution will be useful. I want to be continuing more detail research on this area.

Courses taught: Japanese Environmental Law, Recycling System in Asia

Professor Joho Joseph Puthenkalam Ph.D. (Economics)

Main Research Field: Development and Environment <Economic Development and Environmental Protection in Developing Countries>

Research: To study the coexistence of sustainable environment and economic development from the perspective of developing countries, premised on human dignity, human rights, rights of the poor, and true globalization.

Courses Taught: Economic Development and Environment, International Environment Document Study, Environment and Development of Developing Countries

Professor Anne McDonald

Main Research Fields: Environmental History, Global Environmental Policy,

Research: With a mandate to link research to policy development and implementation, works closely with researchers involved in ecosystem assessments, local and national policy makers and UN conventions related to the environment. Working with the Secretariat of the Convention on Biological Diversity on marine related issues, at COP10 Nagoya 2010 co-established the Sustainable Ocean Initiative, an interface between science and policy to strengthen the marine biodiversity elements of the convention.

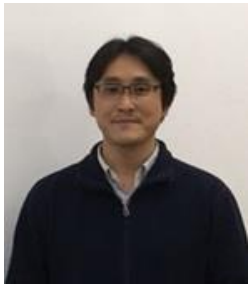
Courese Taught: Environmental History, Integrative Environmental Policy, Global Environmental Policy

Professor Masachika Suzuki

Main Research Fields: Corporate Environmental Strategy and Clean Energy Strategy

Research: Corporate environmental and energy strategy, Technology transfer and innovation in clean energy, Effectiveness of economic policy instruments, Environmental and social indicators for sustainable development, Strategic alliance for establishing a sustainable community in Asia

Courses taught: Business Strategies for Sustainability, International Environmental Treaties, Energy and Environmental Technology



Professor Takahiro Tsuga

Main Research Field: Environmental Economics

Research: Environmental Economics: Development of methods for assessing the economic value of the environment and empirical research using those methods.

Courses taught: Environmental Economics, Economic Valuation of the Natural Environment

Prof. Guangwei Huang Ph.D.

Main research fields: Lake eutrophication modeling; sustainable use of wetland; river flow and water quality simulations, urban flood risk management and long-term policy impact analysis

Research:He deals with environmental problems in various approaches from field survey, statistical analysis and numerical modeling. His research strategy is a good combination of "seeds" and "needs".

Courses Taught:Environmental Assessment, Environmental Planning, Global Environmental Outlook.

Prof. Anno Sumiko　Ph.D. (Medicine)

Main research areas: Environmental Health, Public Health, Spatial Information Science

Research: GIS will be applied to the assessment of human health impacts as they are affected by the natural alterations associated with urban development on a regional scale. Moreover, we will actively engage in the applications of remote sensing and deep learning, which are expected to contribute to solving global environmental issues

.**Courses Taught**: Environmental Science of Human Health, Public Health and Environment, Seminar

Prof. Xuepeng Qian Ph.D. (Engineering)

Main research fields: urban and regional planning, environmental and social system analysis, industrial ecology, sustainability sciencev

Research: Dr. Qian specializes in urban environmental planning. He has been working on urban and environmental issues such as urban development, transportation, resource sustainability, water, energy, and low carbon, through interdisciplinary and systems approaches. His research interests are focused on exploring the visions of urban and regional sustainability and how to plan and promote transformations for sustainable development.

Courses Taught: Industrial Ecology、Urban Sustainability、Seminar A/B/C/D

Haemi Park　Assistant Professor, Ph.D. (Engineering)

Main research areas: Environmental Remote Sensing, Forest Ecosystem, Fire Detection, Soil Moisture

Research:Terrestrial ecosystem and its spatiotemporal change monitoring by satellite imagery. Assessment of human impact to environment and climate. Nature and human interactions in terms of climate change.

Courses taught:Environmental Remote Sensing, Forest and Human Interactions, S
minar A/B/C/D.

4. Application Information

Eligibility

1. A current student or graduate of a Bachelor's, Master's, or Doctorate degree program outside of Japan
2. Undergraduate school grades GPA not less than 2.8 (out of 4)

Program fee

190,000 JPY

*Program fee must be paid before the beginning of the program. The information of payment procedure will be sent to the students who passed the screening.

*No refund will be made once the payment has been completed.

Application time

Application deadline: December 5, 2022
Announcement of results: December 12, 2022

Application materials

Application Form
Transcript
English Proficiency Test Score (if applicable)
*Expected minimum scores: TOEFL/iBT: 79, TOEFL/PBT: 550, IELTS: 6.0
Certificate of Enrollment (Certificate of Employment for graduates)
Study plan (written in English)

5. Contact Office

Center for Global Education and Discovery
Sophia Short-term Programs, Sophia University
7-1 Kioi-cho, Chiyoda-ku, Tokyo 102-8554 JAPAN
Phone: +81-3-3238-4090 Fax: +81-3-3238-3554 Email: ssprgrm-co@sophia.ac.jp