

 シラバス参照

<<Last Updated:2025/04/28>>

Course Schedule Information

Course Code	Z26099
Semester	Fall and Winter Term
Day and Period	Tue4
Course Name (Japanese)	Special Topic in Human Sciences IIA (Planetary Health)
Course Name	Special Topic in Human Sciences IIA (Planetary Health)
Capacity	0
Room	School of Human Sciences/Main School HouseLecture Room41
Course Numbering Code	01HUSC3D001
Type of Class	Lecture Subject
Credits	2.0
Student Year	2,3,4
Instructor	Sainbayar Gundsambuu
Course of Media Class	Not Applicable

※About Course of Media Class

"Course of Media Class" are classes in which more than half of the classes are held in places other than classrooms by making advanced use of various media.

Undergraduate students can include up to 60 credits in media class course as requirements for graduation.

Even if this is not the case, we may hold classes using the media.

Basic Syllabus Information

Eligibility	2nd,3rd, 4th year students, exchange students
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Detailed Syllabus Information

Course Subtitle	Planetary Health	
Language of the Course	English	
Learning Methods	Listening and watching face-to-face/online class: Listening and watching a lecture, video, or demonstration, face-to-face or via online (e.g., attending a face-to-face lecture, watching an on-demand video) Reading: Reading books and academic papers (e.g., summarizing an academic paper, reading information on a website) Discussion: Learning through question-and-answer interactions and exchanges of opinions among students and between students and the instructor (e.g., pair/group discussion, online chat, one-on-one guidance for writing an academic paper) Collaborative work: Working as a pair or a group (e.g., producing a poster through group work) Research: Collecting information from books and academic papers; gathering and analyzing data by fieldwork (e.g., review of previous research, fieldwork) Experience/practice: Learning from experience- and practice-based activities, and feedback on such activities (e.g., solving problems; laboratory work using instruments; on-campus and off-campus practical training; skills practice including sporting skills; project-based learning; internship) Presentation: Writing papers, making presentations, and creating works (e.g., report writing, oral/poster presentation, creation of works, portfolio development)	
Course Objectives	This 15-week course will provide students with a big picture perspective of planetary health, and the research, policy and practice issues related to it, as well as the implications and opportunities for public and population health globally. A key theme throughout will be consideration of health and social issues and the differential impacts of climate and other environmental changes on populations in light of these issues.	
Learning Goals	1	By the end of this course, we anticipate that students will be able to: 1) Broadly understand the concept of planetary health, its distinguishing characteristics relative to the ecological determinants of health, global health.
	2	2) Articulate the nature of the Anthropocene and discuss current trends in knowledge and thinking about the impacts of anthropogenic factors on human societies.
	3	3) Identify key human health effects and indicators across the lifespan related to climate and environmental change.
	4	4) Identify both public-facing and academic resources for current evidence or data on climate and environmental changes, human health and development - nationally, regionally, and globally.
	5	5) Understand the challenges and complexities of studying planetary health, as well as the potential opportunities or avenues for action or advocacy.
	6	6) Expand thinking about implications for public health policy and practice in this field.
Requirements, Prerequisites	There are no prerequisites for this course. Eligible students will be enrolled.	
Class Plan	1st	Week1 Period: Day: Title:Introduction to the course; What is planetary health?

		We begin by exploring the concept of planetary health—an emerging interdisciplinary field focused on the interconnections between human health and the health of natural systems. This session sets the foundation for understanding the global challenges we will address throughout the course.
		Independent Study Outside of Class : Weekly readings will be provided.
	2nd	W2 Period: Day: Title:Air Pollution
		This session explores the causes, types, and health impacts of air pollution. We will examine key pollutants, major sources, and strategies to mitigate air quality issues at local and global levels.
		Independent Study Outside of Class :
	3rd	W3 Period: Day: Title:Chemical Pollution
		We investigate how chemical pollutants—from pesticides to industrial waste—affect ecosystems and human health. Focus will be placed on understanding exposure pathways and regulatory frameworks.
		Independent Study Outside of Class :
	4th	W4 Period: Day: Title:Climate Environmental Change
		This week focuses on the evidence, causes, and consequences of climate change. Students will explore its broad environmental impacts and the cascading effects on societal health and stability.
		Independent Study Outside of Class :
	5th	W5 Period: Day: Title:Ocean and Marine Degradation
		Students will learn about the deterioration of ocean health due to pollution, overfishing, and climate change. We will discuss the importance of marine ecosystems for planetary health and sustainable development.
		Independent Study Outside of Class :
	6th	W6 Period: Day: Title:Resource Scarcity
		We examine the growing global challenges of resource scarcity, including critical shortages of energy, minerals, and arable land, and their implications for global health and security.
		Independent Study Outside of Class :
	7th	W7 Period: Day: Title:Water Quality and Scarcity
		This session highlights the global water crisis, examining issues of contamination, access, and scarcity. We will explore solutions and innovations for achieving safe, sustainable water systems.
		Independent Study Outside of Class :
	8th	W8 Period: Day: Title:Collaborative project guidance
		Students will receive detailed guidance for their collaborative projects. We will cover project expectations, timelines, and strategies for effective teamwork and research.
		Independent Study Outside of Class :
	9th	W9 Period: Day: Title:Natural Disasters
		We investigate the increasing frequency and intensity of natural disasters in the context of planetary health. Topics include disaster preparedness, public health responses, and long-term recovery.
		Independent Study Outside of Class :
	10th	W10 Period: Day: Title:Class Debate
		In a structured class debate, students will discuss the complex relationship between environmental change, migration, and displacement. This session encourages critical thinking and argumentation skills.
		Independent Study Outside of Class :
	11th	Period: Day: Title:Infectious Diseases
		This session explores how environmental factors influence the spread of infectious diseases, with special attention to emerging and re-emerging infections linked to climate and ecosystem changes.
		Independent Study Outside of Class :
	12th	Period: Day: Title:Review
		Independent Study Outside of Class :
	13th	Period: Day: Title:Noncommunicable Diseases
		Students will learn how environmental changes contribute to the rise of noncommunicable diseases (NCDs) like heart disease, diabetes, and respiratory conditions
		Independent Study Outside of Class :
	14th	Period: Day: Title:Project presentations
		Student groups will present their collaborative projects, showcasing research findings, proposed solutions, and policy recommendations related to planetary health issues.
		Independent Study Outside of Class :
	15th	Period: Day: Title:Project presentations
		Student groups will present their collaborative projects, showcasing research findings, proposed solutions, and policy recommendations related to planetary health issues.
		Independent Study Outside of Class :
Textbooks	There is no textbook.	
Reference	The weekly readings will be provided by the instructor.	

Grading Policy *Hover the mouse over the number of a learning goal to view the full text of it.	Evaluation Methods	Learning engagement	Individual assignments	Discussion questions	Presentation	Report/paper
	Learning Goals1	☐	☐	☐	☐	☐
	Learning Goals2	☐	☐	☐	☐	☐
	Learning Goals3	☐	☐	☐	☐	☐
	Learning Goals4	☐	☐	☐	☐	☐
	Learning Goals5	☐	☐	☐	☐	☐
	Learning Goals6	☐	☐	☐	☐	☐
	Allocation of Marks	20%	30%	10%	30%	10%
Additional Information on Grading						
Reasonable Accommodation	• If you need reasonable accommodation to participate in this class due to disability (including intractable disease and chronic condition), please contact the office for students with disabilities (e.g., Educational Affairs Section, Academic Affairs Section, Student Affairs Section) at your school/faculty or graduate school, or the Disability Advisory and Support Service Office of the Health and Counseling Center. • For more information, please visit the following website or contact the Disability Advisory and Support Service Office of the Health and Counseling Center. Website : https://acs.hacc.osaka-u.ac.jp Tel : 06-6850-6107 E-mail : campuslifekenkou-ac@office.osaka-u.ac.jp					
Special Note						
Office Hours						

Instructor(s)

Instructor Name	Name (hiragana)	Affiliation, Title, Course	Office	Extension	E-mail
Gundsambuu Sainbayar		International College	Suita Campus Human Sciences Building E205		sgundsam@fulbrightmail.org

Cautions for Students

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