

Lecture No	031939				
Subject title	Social Epidemiology	Subject ID		GP—b3318—L	
Instructors	相田 潤[AIDA Jun]				
Semester	Fall 2025	Level	1st year	Units	2
Course by the instructor with practical experiences					
<p>Instructor(s):</p> <p>Jun Aida, Professor, Department of Dental Public Health</p> <p>Takeo Fujiwara, Professor, Department of Public Health</p> <p>Ichiro Kawachi, John L. Loeb and Frances Lehman Loeb Professor of Social Epidemiology, Chair, Department of Social and Behavioral Sciences, Harvard T.H. Chan School of Public Health</p> <p>Naoki Kondo, Professor, Department of Social Epidemiology, Kyoto University</p> <p>Fumiaki Imamura, Senior Investigator Scientist, MRC Epidemiology Unit, Institute of Metabolic Science, University of Cambridge School of Clinical Medicine</p> <p>Availability in English: All classes are taught in English.</p> <p>Key word: Epidemiology</p>					
Lecture place					
Refer to the course schedule					
Course Purpose and Outline					
<p>Course Purpose:</p> <p>This course applies advanced epidemiological methodologies to explore the health effects of major social variables.</p> <p>Outline:</p> <p>We will focus on social determinants of health, including social class, race, gender, poverty, income distribution, social networks/support, community cohesion, work and neighborhood environment, and behavioral economics. We also address the health consequences of social and economic policies, and the potential role of specific social interventions, including innovative methods based on behavioral economics. To deepen understanding of social epidemiology, oral health outcomes, their distributions in the populations, and its common determinants will be taught. Lectures by Professor Ichiro Kawachi from Harvard T.H. Chan School of Public Health form part of the Harvard/Johns Hopkins Lecture Series (HJLS).</p>					
Course Objective(s)					
<p>By the end of this course, students will be able to:</p> <p>a) Define social determinant of health, explain measurement methods of them, and describe mechanisms through which social determinant of health influence health.</p> <p>b) Explain high risk and population strategies of prevention, and contrast benefit and drawbacks of two strategies.</p> <p>c) Explain oral health outcome measurements, its distribution and common determinants of oral health.</p> <p>d) Explain how can we incorporate novel insights from behavioral economics to improve the success of behavior change.</p>					
Lecture plan					
No	Date	Time	Room	Lecture theme	Staff
1-2	11/10	08:50-12:15	G-Lab	Lecture: Oral Epidemiology	AIDA Jun
3	11/10	13:30-15:00	G-Lab, On-demand	Lecture: Socioeconomic status and health (Video lecture)	KONDO Naoki
4	11/10	15:25-16:55	G-Lab	Q & A session: Socioeconomic status and health (Onsite)	KONDO Naoki, AIDA Jun
5	11/11	08:50-10:20	G-Lab, On-demand	Neighborhood and health (On-demand: uploaded on webclass)	ICHIRO Kawachi

6	11/11	10:45-12:15	G-Lab	Lecture: Social epidemiology (G-Lab, M&D Tower 8F / Onsite. Live)	ICHIRO Kawachi, FUJIWARA Takeo, AIDA Jun
7	11/11	13:30-15:00	G-Lab	Preparation for the group presentation. (G-Lab, M&D Tower 8F / Onsite. Live)	AIDA Jun
8	11/11	15:25-16:55	G-Lab	Presentation for the group presentation. (G-Lab, M&D Tower 8F / Onsite. Live)	AIDA Jun
9	11/13	08:50-10:20	G-Lab, On-demand	Lecture: Life-course epidemiology (On-demand: uploaded on webclass)	FUJIWARA Takeo
10	11/13	10:45-12:15	G-Lab	Lecture: Life-course epidemiology (G-Lab, M&D Tower 8F / Onsite. Live)	FUJIWARA Takeo
11	11/13	13:30-15:00	G-Lab	Lecture on School lunch program (G-Lab, M&D Tower 8F / Onsite. Live)	AIDA Jun
12	11/13	15:25-16:55	G-Lab	Presentation for the school lunch program. (G-Lab, M&D Tower 8F / Onsite. Live)	AIDA Jun
13	11/14	08:50-10:20	G-Lab	Case and group activity: Final exam presentation. (G-Lab, M&D Tower 8F / Onsite. Live)	AIDA Jun
14-15	11/14	10:45-15:00	G-Lab	Case and group activity: Final exam presentation. (G-Lab, M&D Tower 8F / Onsite. Live)	AIDA Jun
16	11/14	15:25-16:55	G-Lab	Lecture: Nutritional Epidemiology (G-Lab, M&D Tower 8F / Onsite. Live)	IMAMURA Fumiaki, AIDA Jun

Lecture Style

This course will consist of lectures and case-based class activities. Students will be required to write a final report.

Course Outline

Refer to the course schedule

Grading System

Grades will be based on the following elements:

Participation 20%

Presentations 30%

Final paper 50%

Prerequisite Reading

Reading materials will be available online at the course webpage. Students are expected to have worked through the materials before attending the corresponding class.

Module Unit Judgment

2 units

Reference Materials

Reading materials will be available online at the course webpage. Students are expected to have worked through the materials before attending the corresponding class.

The book is recommended for those whose research interests are related to social determinants of health.

Berkman LF, Kawachi I, Glymour MM, editor. Social Epidemiology. 2nd ed. New York: Oxford University Press; 2014.

Important Course Requirements

For students not in the MPH course, instructor's permission is required before registering to the course. Please submit an email when you receive permission through the Forms below. <https://forms.office.com/r/3qSAXRwJbN>

Note(s) to Students

An explanation of the assignment will be given in Lecture 2.

Email

Instructor's Contact Information

AIDA Jun: Department of Dental Public Health, Graduate School of Medical and Dental Sciences. Prof. Aida at aida.ohp@tmd.ac.jp

Every Tuesday, 4:30-5:30 PM, Department of Dental Public Health, 10th floor, Dental Building North