

Course Name	Introduction to Epidemiology
Course Number	OATHA11
Credits	1.0 Credits
Adaptation years	1 Year
Class hold days	SprAB Tue3
Instructor	Yukiko Wagatsuma
Overview	Epidemiology is the study of factors affecting the health and illness of populations, and serves as the foundation and logic of interventions made in the interest of public health and preventive medicine. The aim of this course is to learn the fundamental concepts and uses of epidemiology, and its role in formulating principles.
Remarks	Lectures are conducted in English. face-to-face
Course Type	lectures
Relation to Degree Program Competences	Generic competence: Knowledge application Specific competence: Public health core 1: Epidemiology
Course Objectives (Learning Outcomes)	Upon completion of this course, students will be able to explain the fundamental concepts and uses of epidemiology.
Class Schedule	1. Epidemiologic approach to disease and intervention 2. Morbidity and mortality 3. Validity and reliability of diagnostic test 4. Randomized trials 5. Cohort studies 6. Case-control studies 7. Causal inferences: bias, confounding and interaction 8. Genetic and environmental factors in disease causation 9. Epidemiology and public policy 10. Ethical issues in epidemiology
Course Prerequisites	None
Grading Philosophy	Evaluated by the final examination (90%). The scores of mini tests (10%) are also considered for evaluation.
Course Hours Breakdown and Out-of- Class Learning	All classes are conducted in lectures. Students should prepare for the classes by reading relevant chapters of the textbook. The answers for mini tests should be submitted.
Textbooks, References, and Supplementary Materials	1. David D Celentano and Moyses Szklo, Gordis Epidemiology, 6th edition, Elsevier, 2018 2. Miquel Porta (ed), A dictionary of epidemiology, 6th Edition, Oxford University Press, 2014.
Office Hours and Contact Information	随時、メールにて事前連絡 ywagats at md.tsukuba.ac.jp
Other (Behavioral expectations and points to note for students during coursework)	
Relation to Other	

Courses	
Teaching Fellow and/or Teaching Assistant	Teaching assistant (1 person)
Course Keywords	Epidemiology, epidemiologic research, study design