



東京大学 大学院 医学系研究科
公共健康医学専攻

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専門職
大学院

School of Public Health, The University of Tokyo

Epidemiology and Health Sciences

Biostatistics
Social and Preventive Epidemiology
Clinical Epidemiology and Health Economics
Health Communication
Cancer Epidemiology

Behavioral Health Sciences

Mental Health
Health Education and Health Sociology
Health and Social Behavior
Health Promotion Science
Biomedical Ethics
Human Resource Development for Health

Health Services Sciences

Health Policy
Clinical Information Engineering
Healthcare Informatics
Forensic Medicine and Medical Law
Public Health Science
Global Environmental Health
Environmental Health Sciences

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The purpose of the professional degree course (professional graduate school), the School of Public Health, Graduate School of Medicine, The University of Tokyo is to educate highly specialized professionals who could play an instructive role to improve the maintenance, promotion, and recovery as well as the improvement of the quality of life of the wide range of people such as national citizens, local residents, and patients. The course was newly established in 2007.

Portrait of student we seek for

The person who could promote the forefront research which contribute to improve the maintenance, promotion, and recovery as well as the improvement of the quality of life of the wide range of people such as national citizens, local residents, and patients and aim to play an active part as a highly specialized professional to play instructive and practical role in the area of the school of the public health in the future. The person who has a fundamental ability for those.

Degree

Graduates of the course will be awarded : Master of Public Health (MPH).

Curriculum

‘Epidemiology’ , ‘Biostatistics’ , ‘Clinical Epidemiology’ , ‘Medical Health Economics’ , ‘Health Communication’ , ‘Mental Health’ , ‘Health Sociology’ , ‘Geriatric Social Science’ , ‘Biomedical Ethics’ , ‘Health Policy’ , ‘Healthcare Informatics’ ‘Forensic Medicine’ and ‘Medical Law’ , Patient Safety & Risk management’ , ‘Health Crisis Management’ , ‘Environmental Medical Health’ , and etc. Degree of the Master of Public Health could be proceeded by earning more than 30 credits from compulsory subjects and optional subjects.

Field to play an active part

Possible career which could be considered for graduates : Public Health doctor who work for Health Care Administration or Health Management at the companies or organizations, Specialists of Clinical Epidemiology and Medical economics evaluation who could carry on a EBM or clinical trials, Health Care analyzing coordinator who takes part in the evaluation of the field of Health Care or Advocacy, System Administrator of Healthcare Informatics and Medical Engineering who engage in administrative management of Medical Organization or Health Insurance Group.

1-year course

1-year course is one of a special feature of the course. It is admitted to take an examination of 1-year course for those who have certain practical experience(please apply below chart). For example, a doctor who has clinical experience for more than 2 years(including the clinical training) could obtain the degree of Master of Public Health(MPH) by leave of absence from work.

Faculty members (as of May 1, 2018)

Division	Department	Professor	Associate professor	Lecturer
Epidemiology and Health Sciences	Biostatistics	Yutaka Matsuyama Hirohisa Imai+ Daisuke Koide+	Koji Oba* Akihiro Hirakawa+	Kentaro Sakamaki+
	Social and Preventive Epidemiology	Satoshi Sasaki		
	Clinical Epidemiology and Health Economics	Hideo Yasunaga	Taisuke Jo+	
	Health Communication	Takahiro Kiuchi		
	Cancer Epidemiology			
Behavior Health Sciences	Mental Health	Norito Kawakami	Daisuke Nishi	Kotaro Imamura+
	Health Sociology and Health Education		Naoki Kondo	
	Health and Social Behavior	Hideki Hashimoto		Daisuke Takagi
	Health Promotion Science		Yoshiyuki Takimoto*	
	Biomedical Ethics	Akira Akabayashi	Yoshiyuki Takimoto	Eisuke Nakazawa Yuzaburo Uetake*
	Human Resource Development for Health			Hiroataka Onishi*
Health Services Sciences	Health Policy	Yasuki Kobayashi	Satoshi Toyokawa	
	Clinical Information Engineering	Hiroshi Oyama		
	Healthcare Informatics	Kazuhiko Ohe	Kayo Waki** Takeshi Imai*	Hidenao Atarashi Yusuke Ida+ Katsuya Tanaka* Yoshimasa Kawazoe*
	Forensic Medicine and Medical Law	Hirotarō Iwase	Yohsuke Makino	
	Global Environmental Health		Yoonhee Kim	
	Public Health Science		Takashi Fukuda*	
	Environmental Health Sciences		Seiichiroh Ohsako*	

* Adjunct faculty members. + Project faculty members

Division of Epidemiology and Health Sciences

Department of Biostatistics

Matsuyama, Yutaka
Oba, Koji



Department of Biostatistics is the longest established laboratory of biostatistics and theoretical epidemiology in Japan. We are working on:

Methodological researches on biostatistics, designs of clinical trials, epidemiological theories, computational statistics, etc.

Application of advanced statistical methods to up-to-date public health research data design, conduct and analysis of clinical trials by collaborating with medical professionals.

Please see our research activity from the above web page.

Division of Epidemiology and Health Sciences

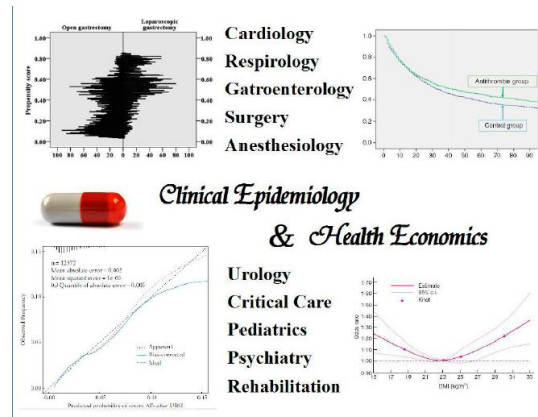
Department of Social and Preventive Epidemiology

Sasaki, Satoshi



Department of Social and Preventive Epidemiology studies using epidemiologic methods the relationship between various phenomena occurring in human society and health problems, and explores strategies and methods for the prevention and control of diseases. This department focuses the research on “nutritional epidemiology”, because nutrition is one of the most important and powerful modifiable factors for the prevention and control of disease.

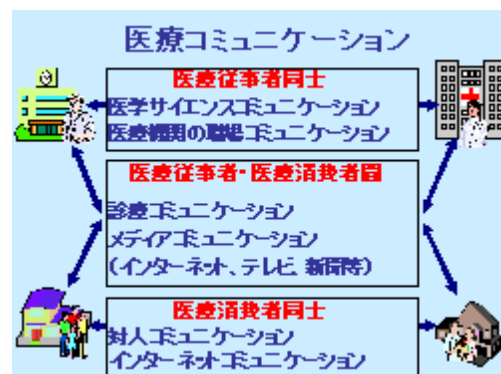
Yasunaga, Hideo



Department of Clinical Epidemiology and Health Economics implements multidisciplinary studies on clinical epidemiology, health economics, and health technology assessment.

As SPH education programs, we are in charge of lectures for clinical epidemiology and health economics; seminars in health technology assessment; and seminars in study proposal and academic article writing.

Kiuchi, Takahiro



Department of Health Communication offers courses and conducts research on various levels of communication in healthcare and public health contexts. Major research topics include online health information systems and services, mass media/internet communication, entertainment education, science communication, patient-provider communication, health literacy, communication skills training for healthcare professionals.

Division of Behavioral Health Sciences

Department of Mental Health

Kawakami, Norito
Nishi, Daisuke
Imamura, Kotaro



“Public Mental Health” is an interdisciplinary field within public health, which aims to understand the nature of and promote health in our mind, i.e., one of the most important health problems in 21st century. Members of Department of Mental Health conduct research of epidemiology of mental disorders in the community, prevention of depression and promotion of work engagement among workers, among others. The Department provides two classes: Mental Health I (from epidemiology to practice in mental health) and Mental Health II (occupational mental health). It also provides training courses of occupational mental health for leaders in this area. Please contact Prof Kawakami at kawakami@m.u-tokyo.ac.jp for more info.

Division of Behavioral Health Sciences

Department of Health and Social Behavior (Health Education and Sociology)

Hideki, Hashimoto
Naoki, Kondo
Daisuke, Takagi



Department of Health and Social Behavior intends to integrate health science (medicine and public health) and social science (economics, sociology, and psychology) to reveal a causal mechanism linking social structure and individual health for realizing health equity as a fundamental goal for human security. It offers four teaching courses on health sociology and education, and practicum focusing on social determinants of health in MPH program.

Division of Behavioral Health Sciences

Department of Biomedical Ethics

Akabayashi, Akira
Takimoto, Yoshiyuki
Nakazawa, Eisuke
Yamamoto, Keiichiro



In the Department of Biomedical Ethics, we, teachers and graduate students, conduct researches and educational activities including the studies of philosophical and ethical theories, which help us to form our ethical judgments in medical practice and about policy decisions on medicine and public health. For instance, the main topics of our lectures range from foundations of medical ethics, ethical theories, public health ethics, neuroethics, ethics of regenerative medicine to clinical ethics, with group discussions and exercise lessons.

Division of Behavioral Health Sciences

Department of Human Resource Development for Health

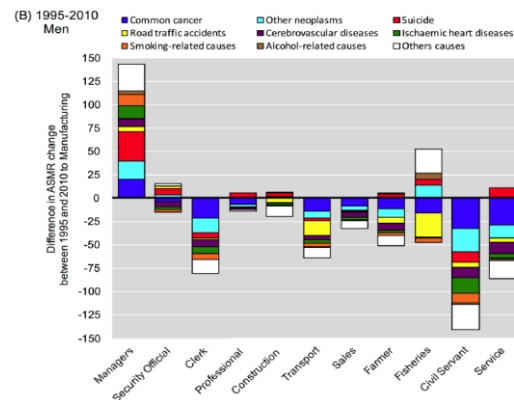
Onishi, Hirotaka



Department of Human Resource Development for Health offers two courses of (1) human resource development for health and (2) learner assessment. We welcome students to conduct research in interprofessional education, clinical education system, and development of a new assessment tool.

<http://www.ircme.m.u-tokyo.ac.jp/>
onishi-hirotaka@umin.ac.jp

Kobayashi, Yasuki
Toyokawa, Satoshi



Contribution of cause specific death to changes in inequalities among occupations (BMJ Open, 2017)

Our research activities focus on the topics of health care system and economics in general. We have performed those studies related to supply and demand sides of health services; such as supply and distribution of physicians, access to health care, and the efficiency and equity issues of the Japan's health insurance system as well as universal health coverage system. We also conduct epidemiological studies on the relationships between life-style and socioeconomic factors and people's health.

We offer three courses; "Health Policy", "Public Health Preparedness", and "Public Health Practice" in the MPH Program.

The details are shown in our homepage.

<http://publichealth.m.u-tokyo.ac.jp/>

Oyama, Hiroshi
Saito, Toki
Kohyama-Koganeya, Ayako
Ichikawa, Daisuke

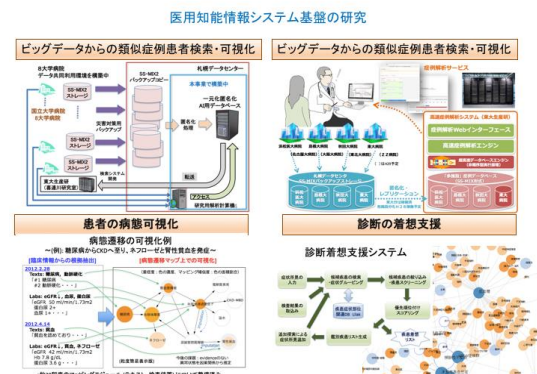


H29年度卒業生

The purpose of the Department of Clinical Information Engineering is to nurture talented people who have special knowledge and skills at an international level in order to apply advanced information technologies to practical projects in public health. It offers courses on information system design, development methodology, evaluation and project management in biomedicine, health care and public health in the School of Public Health, and data mining and virtual reality. Our research covers the biomedical computer applications that focus on biomedical data (collection, analysis, and representation). Our laboratory is engaged in the following research activities:

- 1) Public Health Informatics
- 2) Data Mining & Machine learning
- 3) Virtual Reality for Public Health

Ohe, Kazuhiko
 Tanaka, Katsuya
 Atarashi, Hidenao
 Kawazoe, Yoshimasa
 Imai, Takashi
 Waki, Kayo



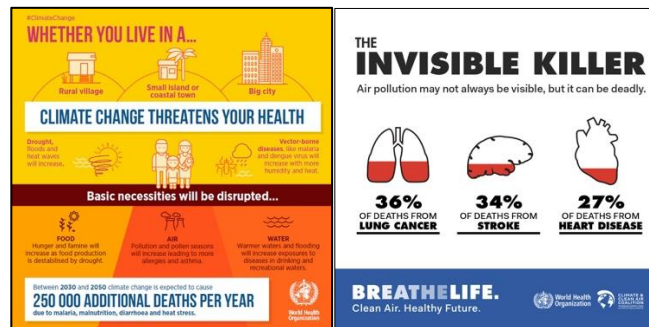
“Healthcare Informatics” aims to reform healthcare systems by applying advanced information technology. The department develops innovative methods that are applicable in the boundary area of healthcare and information science, establishes infrastructures where medical information is utilized effectively, and applies knowledge acquired through these efforts to medical and healthcare field.

Iwase, Hirotaro
 Makino, Yohsuke



Forensic medicine is an academic discipline that thinks about what medicine can do for the law to be properly used. In collaboration with Chiba University, we conduct death investigations and physical examinations for children suspected abuse (clinical forensic medicine). Regarding the death investigation, we are performing not only conventional anatomical and histological examinations, but also toxicological examinations even covering new psychoactive drugs and postmortem CT scans. We are conducting research related to these relatively new death investigation methods. In addition, we have constructed a database on various examinations obtained in our death investigation practices and performing various researches using it.

Kim, Yoonhee



Climate Change, Air Pollution, and Human Health (infographics by WHO)

The Department of Global Environmental Health (GEH) aims to study the relationships between the environment and human health and to produce well-educated professionals with the ability to undertake epidemiological research.

Our research interest includes climate change and variability, air pollution, and human health across multiple countries in environmental epidemiology. We address the scientific questions how the environmental factors are associated with health outcomes and potential socio-economic determinants that modify the exposure-response associations. GEH has multiple collaborations with both domestic and international colleagues. Ongoing projects we are involved in include 1) Health Risk Assessment of Climate Change and Air Pollution (Global Research Laboratory), 2) Global Perspectives of Seasonal Changes of Suicide and Associations between Suicide and Weather, and 3) Establishment of an Early Warning System for Infectious Diseases in Southern Africa Incorporating Climate Predictions.

We provide an introductory course, Environmental Health, for MPH students. It is expected that the students would understand basic concepts and methods to assess environmental exposures and health effects by taking the course.

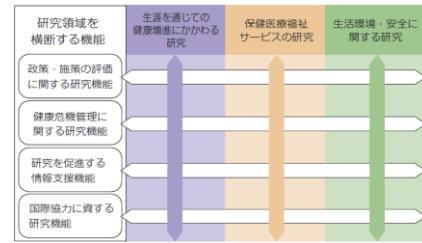
Prospective master students in GEH will examine the risk of mortality (for both all-cause and cause-specific) associated with weather factors (e.g., temperature) and/or outdoor air pollutants using single- and multi-country data.

Fukuda, Takashi

国立保健医療科学院における調査研究の基本的な考え方

取り組みを進める2大研究課題

- 少子・高齢社会の進展に対応した健康確保
- 健康に関する安全・安心の確保



National Institute of Public Health, Japan

Department of Public Health Science is a collaborating unit with the National Institute of Public Health (NIPH). NIPH implements training for local government employees, etc. and related surveys and research.

Main research topic of the department is economic evaluation of health care and its application to the health policy.

Outline of the curriculum									
(School of Public Health, The University of Tokyo)									
Divisions	Subject	Credits		Types			Faculty members		
		Compulsory	Elective	Lecture	Seminar	Practicum	Professor	Associate professor	Lecturer
Epidemiology and Health Sciences	Epidemiology Research & Practice [essential*1]	2		○			1		
	Preventive Health Practice & Assessment		2	○			1		
	Statistical Analysis of Medical Data	2		○			1		
	Medical Statistics Exercise		2		○			1	
	Medical Research Design [essential*1]	2		○			1		
	Clinical Epidemiology		2	○			1		
	Clinical Epidemiology Exercise		2		○		1		
	Healthcare Economics		2	○			1		
	Health Communication		2	○			1		
	Seminar in Health Communication		2		○		1		
	Seminar in Healthcare Technology Assessment		1		○		1		
	Seminar in Healthcare Organization Management		2		○		1		
	Introduction to Clinical Medicine		1	○			1		
	Medical research and CDISC standards		1	○			1		
	Cancer Epidemiology		1	○			1		
Subtotal (15subjects)		6	20	-			5	1	
Behavioral Health Sciences	Mental Health I [essential*2]	2		○			1		
	Mental Health II		2	○			1		
	Health Education [essential**2]	2		○			1		
	Health Sociology		2	○			1		
	Health Promotion Science		2	○				1(1)	
	Biomedical Ethics I [essential*3]	2		○			1	1	
	Biomedical Ethics II		2	○			1	1	
	Society and Health I [essential*3]	2		○				1	
	Society and Health II		2	○				1	
	Theory and practice of occupational health [essential*5]	2		○			1		
	Human Resource Development for Health		2	○					1(1)
	Assessment in Health Professional Education		2	○					1(1)
	Health Care and Community Health in Japan		2	○			1		
Subtotal (13subjects)		10	16	-			3	2	1(1)
Health Services Sciences	Health Policy [essential*4]	2		○			1	1	
	Healthcare Informatics [essential*4]	2		○			1		
	Healthcare Informatics Exercise		1			○	1		
	Public health informatics [essential*3]	2		○			1	1	
	Public health informatics Exercise		2		○		1	1	
	Forensic Medicine & Medical Law		1	○			1(1)	1(1)	
	Forensic Medicine & Medical Law Exercise		0.5			○	1(1)	1(1)	
	Medical Safety Management		1	○			1		
	Medical Safety Management Exercise		2			○	1		
	Environmental Health [essential**5]	1		○				1(1)	
	Public Health Preparedness		2	○			1		
	Health Administration & Public Health Preparedness Exercise		1			○	1		
	Subtotal (12subject)	7	10.5	-			5(1)	3(3)	
Common	Internship		2			○	1		
	Advanced Public Health Theory		2	○			10	6(3)	
	Themed Research	6			○		13(1)	6(3)	1(1)
Subtotal (3subjects)		6	4	-			13(1)	6(3)	1(1)
Total (43subjects)		29	50.5	-			13(1)	6(3)	1(1)

† Parentheses shows the number of adjunct faculty members

Degree	Master of Public Health	Field	Public Health
Graduation requirements		Term of Classes for a Year	
(1) the standard course term of two years (2-year course) It will be required for graduation to take 30 credits or more in compulsory or elective courses. In the compulsory courses, taking 11 or 12 credits in 6 courses and the Themed Research (6 credits) will be required. (2) the standard course term of one years (1-year course) It will be required for graduation to take 30 credits or more in compulsory or elective courses in a year. In the compulsory courses, taking 11 or 12 credits in 6 courses will be required. The Themed Research (6 credits) is included in the elective courses. The asterisk character (*) means that you have to choose at least one course from courses which added the same number.		The number of semester for a year	4 semesters
		The term during which classes are conducted for a semester	13 weeks
		school time	105 minutes

Outline of the curriculum

Subject	Description	Credits
Epidemiology Research & Practice	In addition to lectures on basic epidemiological research methodologies, students learn through case studies of the problems which arise when putting these methodologies into practice, as well as ways to overcome them. The core themes of this subject are: epidemiological thought; demonstrating causative relationships; understanding disease onset and ensuring reliability; introduction to epidemiological research design; bias and error variance; controlling bias, particularly confounding; role of statistical analysis; research ethics & consent/protection of privacy; genetic epidemiology; research outcome feedback; and preventive medicine etc.	2
Preventive Health Practice & Assessment	Students learn primarily through case studies about practical initiatives linked to occupational & community preventive health based on member feedback of medical checkup results and epidemiology research outcomes. The core themes of this subject are: setting and evaluation of health objectives; development of implementing organizations & allocation of roles/costs; obtaining member consent & information feedback/communication; privacy & protection of personal information; occupational health initiative case studies (role of occupational health physicians); community health initiative case studies (role of public health nurses) etc.	2
Statistical Analysis of Medical Data	By learning about medical research design, statistical hypothesis testing & confidence intervals, sample size design, contingency table data analysis, regression & correlation, stratified analysis, model-based analysis, survival analysis, and multivariate analysis techniques, students acquire the basic knowledge and practical abilities required for statistical analysis of medical data.	2
Medical Statistics Exercise	Students learn about the main statistical methods covered in 'Statistical Analysis of Medical Data' using actual cases with SAS/S (or R) statistical software. Students also create hypothetical medical research (epidemiology or clinical study research) and formulate a statistical analysis plan through a group exercise, then improve their understanding of the results through debate.	2
Medical Research Design	This subject comprises lectures on epidemiological research & clinical trial design and actual research management, as well as case studies. The aim is to equip students with the basic knowledge required to understand studies published in key journals, and to hone their protocol drafting skills as well as the ability to participate in a research office through teamwork. The core themes of this subject are: research design types & characteristics; standardization of measurements; epidemiological research design (bias control & sample size determination etc.); clinical trial methodology (randomization & assignment, endpoint determination, interim analysis, statistical analysis principles, sample size determination, ICH guidelines etc.); introduction to sample surveys; protocol preparation; quality control & quality assurance; data management; drafting of academic papers & CONSORT statements; research cost estimation and research management etc.	2
Clinical Epidemiology	Subjects of clinical epidemiological studies exist in clinical practice. Researchers must find out research questions in clinical practice, make a study hypothesis and an appropriate study design, make statistical analyses with available data and make clinically valid interpretation of the results. The course provides theories and practical skills of clinical epidemiology that are essential for implementing clinical studies.	2
Clinical Epidemiology Exercise	The course provides hands-on training to help students write their research protocols for fund application through lectures and tutorials. The course also provides how to write medical literature.	2
Healthcare Economics	The course provides basic knowledge about health economics and basic methods for health economic analyses. Through lectures and group debates, students learn how to apply theories of health economics to actual health policy issues.	2
Health Communication	The course overviews major areas and topics of health communication including interpersonal communication in healthcare settings to media communication, and introduces current research, practice and education in health communication. Students learn basic theories and methodologies as well as methods of analysis and evaluation in health communication.	2
Seminar in Health Communication	Students practice skills for health communication to learn practical applications of the theories and methodologies introduced in Health Communication lecture, and to learn how to make effective health communication in various health settings including healthcare institutions, government, academic and educational institutions, patient organizations, and mass media.	2

Subject	Description	Credits
Seminar in Healthcare Technology Assessment	This three-day intensive seminar will provide hands-on training to conduct health technology assessment, e.g. measurement of direct and indirect cost, benefit as is expressed in quality adjusted life years and utility, and modeling decision trees, and calculating incremental cost-effectiveness ratio with sensitivity analysis.	1
Seminar in Healthcare Organization Management	The course is composed of lectures on accounting, human resource management, risk control, and strategic building, complemented by case method using a case scenario of actual hospital management. Students with clinical experience >3 years will be accepted.	2
Introduction to Clinical Medicine	The course will provide lectures on basic knowledge about clinical medicine including anatomy, physiology, diagnosis and treatment.	1
Medical research and CDISC standards	The course provides the overview of CDISC (Clinical Data Interchange Consortium) Standards, which are determined be obligatory to regulatory new drug submission in Japan, U.S.A, and EU, and will be widely used for medical research data collection, exchange, archiving, etc. in medical research in general besides regulatory clinical research around the world.	1
Cancer Epidemiology	This subject aims to provide essential expert knowledge in the field of cancer epidemiology. The topics include descriptive epidemiology and cancer registry methodology; risk factors; genomic epidemiology, translational research toward health policy, such as systematic reviews, meta-analyses and pooled analyses; cancer burden; Implementation and dissemination science; and evidence-based cancer prevention and cancer screening guidelines.	1
Mental Health I	The half of the course provides epidemiology of mental disorders in Japan and other countries, methodology to assess mental health, and current evidence for primary, secondary & tertiary prevention of mental disorders in the community, including workplace and schools. The latter half of the course provides a series of interactive lectures on implementation of available evidence in improving mental health based on practical cases, followed by a group work to develop a new mental health program.	2
Mental Health II	Students learn about occupational mental health, its history & present status, relevant legislation, guidelines & systems; basic theory of occupational stress; evidence-based effective primary, secondary & tertiary prevention methods, planning, and program evaluation methods. After examining case studies on mental health policy planning based on workplace characteristics, students engage in debate on specific ways to promote said policies.	2
Health Education	This first half of the course provides theoretical basis for understanding health-related behaviors and designing health educational intervention programs at micro and macro levels. Through in-class discussion, students will critically read a presumed view of human and society, strength, and limitations of each theory. The latter half of the course applies theories to real settings in workplace, community, healthcare settings, and school.	2
Health Sociology	The course provides a showcase of sociological theories of health and medicine, to encourage students to critically consider roles and meanings of health, illness, and medical/public health activities in societal context.	2
Health Promotion Science	In this subject, students learn and develop analytical and evaluation skills by collecting social and physical information on community and work-site health issues and by examining case studies. Students subsequently develop the skills to plan effective programs addressing health issues in small-group debates. Specific areas covered include: planning, implementation and evaluation of health promotion programs for life-style related disease and behavioral modification; basic theory of behavioral science; individual and population approaches; and various models used to create supportive environments.	2
Biomedical Ethics I	Students consider ethical & philosophical approaches which form the basis of ethical judgments in public health policymaking as well as clinical practice. Areas covered include: introduction to biomedical ethics & history; political philosophy; allocation of medical resources; and informed consent. These topics are addressed in lectures and small-group debates.	2

Subject	Description	Credits
Biomedical Ethics II	This subject expands upon the topics covered in 'Biomedical Ethics I'. Students read and interpret important literature in the fields of law & morality, rights theory, confidentiality, medical futility, and meta-ethics.	2
Society and Health I	This lecture series provides a broader context of social determinants of health (SDH) including education, poverty, social isolation, living arrangements, social networks, income inequality, and social capital. Currently available theoretical and empirical evidence on SDH will be reviewed and its strengths and challenges will be discussed.	2
Society and Health II	This course expands the discussions in Society and Health I to more practical and political contexts. Course activities include case-oriented discussions, students' group-based presentations on 5 topics on health equity issues and a health impact assessment workshop.	2
Theory and practice of occupational health	This class provides updated information of recent trends and global perspectives in occupational health. Also students learn basis of practical skills to pursue occupational health activities at workplace, through case studies and exercises.	2
Human Resource Development for Health	Participants will be able to learn human resource development for health (health professional education) based on principles related with education and learning through plenary and small group discussion.	2
Assessment in Health Professional Education	In human resource development for health areas, participants will be able to learn learner assessment, which is closely related with licensing and mastery of learning contents, including principles of statistics and psychometrics.	2
Health Care and Community Health in Japan	This class will provide an overview of health care system and services in Japan, to provide opportunities of viewing health care system and services in Japan from a global perspective and to promote the ability of students on international communication on the topics of health care system and service.	1
Health Policy	Using several cases related to healthcare policymaking & management, such as prevention and health promotion, access to healthcare, health insurance reimbursement systems, and health policy-making process, this subject provides students with a systematic understanding of various stakeholder perspectives, relevant social systems, funds procurement, and their management.	2
Healthcare Informatics	This subject consists of lectures on healthcare data management, data coding & classification, information technology basics & standardization, data processing techniques, healthcare information system & network technology basics and operation, healthcare information protection & security, and healthcare information system management etc.	2
Healthcare Informatics Exercise	The exercise covers practical healthcare data management & data coding techniques, data processing techniques, and healthcare information system design & management techniques, based on actual hospital information systems.	1
Public health informatics	Students learn the basics of public health informatics. To that end, the subject focuses on geographical information system, infection surveillance system and disease registration system associated information processing techniques.	2
Public health informatics Exercise	In this exercise, students learn about practical public health information engineering through case studies on geographical information system using R.	1
Forensic Medicine & Medical Law	This subject comprises lectures and debates focusing on the legal & social contexts of abnormal fatalities, particularly cases/precedents of death related to medical care. In addition to participating in an actual autopsy, postmortem examination & evaluation, students visit the law courts and engage in debates.	2
Forensic Medicine & Medical Law Exercise	In this exercise, students analyze the issues relating to coroner's inquest methods & systems in Japan and overseas through surveys of the deceased's relatives and physicians, literature searches, and fieldwork etc., and propose new methods and systems. The exercise also leverages the lecturer's practical experience on the Ministry of Health Labour & Welfare's 'Model Project on Inquests into Medical Care-related Deaths' with a role play assuming the roles of inquest personnel (nurses, physicians & coordinators) and education supervisors.	2

Subject	Description	Credits
Medical Safety Management	In this subject, students become acquainted with actual medical safety management by investigating risk factors related to potential incidents & medical accidents in clinical practice, and engaging in practical debates on the development of systems for the promotion of medical safety as well as responses to medical accidents and past medical malpractice suits.	1
Medical Safety Management Exercise	Students acquire practical analytical & policy planning skills by gathering & analyzing materials from actual healthcare facilities relating to potential incidents in clinical practice, development of systems for the promotion of medical safety, and responses to medical accidents.	0.5
Public Health Preparedness	This subject teaches students the basics of responding to health risk outbreaks through case studies of typical past cases on: field epidemiological survey methods to deal with health risks such as a new type of influenza, SARS, and bioterrorism; public health surveillance; identification of the causes of disease outbreaks; and planning, implementation & assessment of countermeasures.	1
Health Administration & Public Health Preparedness Exercise	In this exercise, students learn planning, implementation and evaluation of actual countermeasures against various diseases, organizational and preparedness management in public health practice, and the roles of the public health officers, by visiting actual health administration environments.	2
Environmental Health	This course introduces students to environmental health perspectives on how environmental factors influence human health at individual and population levels. Students will understand basic concepts and methods to assess environmental exposures and health effects. Studies for specific environmental factors (air, water, soil, food, radiation, and climate variability) associated with health will be covered and discussed in the course.	1
Advanced Public Health Theory	This subject enables students to better understand the nature of health science contributing to public welfare, as well as the accompanying research & practical issues which need to be overcome, by addressing specific approaches and challenges from each of the School of Public Health's 13 research fields which constitute a contact point between public policy & activity.	2
Internship	Students attend public health facilities (public health research & testing facilities, think tanks, NPOs, healthcare facilities etc.) and leverage their subsequent practical experiences to develop skills in identifying personal initiatives, conducting analysis, and planning measures/policies.	2
Themed Research	Under the guidance of their research supervisor, students acquire advanced problem-solving capabilities through practical tasks such as fieldwork, data collection, analysis, statistical analysis and essay writing on a particular research theme.	6

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