

Teikyo School of Public Health

Brief Guide

MPH

DrPH



帝京大学
Teikyo University

50th
TEIKYO UNIVERSITY
歴史をしのぐ未来へ

Dean's Message

Welcome to Teikyo University Graduate School of Public Health! Dean and Professor Kazue Yamaoka would like to introduce our programs with which we offer great opportunities for advancing your career.

Our school has been successfully claimed as the first school in Japan that enhanced five areas for the graduate program in public health required by the Council of Education for Public Health: Epidemiology, Biostatistics, Social and Behavioral Sciences, Health Policy and Management, and Occupational and Environmental Health. Every January the school invites five professors from Harvard University to give intensive courses which cover the required areas. These special courses attract auditing students from the United States and Asian countries such as China and Thailand, and they bring a global atmosphere to classroom. The series of lectures is called Harvard Special Session, jointly produced by Teikyo-Harvard Program which both institutes have agreed to continue next ten years.



Professor Kazue Yamaoka

Our Masters of Public Health program is specifically designated for fostering highly skilled professionals focused on practical education as a professional school. Project/research thesis is thus emphasized the most important among the coursework for both one- and two-year programs. While it accounts for our academic program integrating both scientific and practical research, thesis aims students to develop skills and knowledge learned in the classes/internship to apply to real-world situations. Our program considers that it is essential to have students work on a challenge of research thesis for strengthening problem solving skills. We are proud of this hybrid curriculum with scientific research and practical education.

The Doctor of Public Health program, newly introduced in spring 2014, gives more advanced academic training to students who become senior managers/directors for public health practice with highly integrated leadership, management and communication skills. Its objective differs from pursuing genuine truth and advancement in academism which the traditional doctoral programs in the School of Medicine have. There is a call for resources who can make transformation accommodating with the rapid change of the international society and technological advancement these days. We prepare students to be not only excellent research-oriented scholars but change agents who make a difference in healthcare systems and take a leadership role in a practical manner. These future professionals need to develop competencies such as leadership, management, and communication skills as well as an ability to employ a problem-solving approach with the scientific method: to analyze current issues, to present their result and evidence-based solutions, to implement and to evaluate the whole process. Our program is designed to help students develop these competencies and become successful professionals to make transformation possible.

It is our goal to prepare students to be enablers to solve complex public health problems and to contribute to public health enhancement. All of our faculty members welcome and look forward to working with passionate students devoting their heart and soul to public health practice.

Fostering highly skilled professionals
focused on practical education
for global standard

Mission

The mission of the Teikyo University Graduate School of Public Health is to educate individuals who contribute to promote people's health, to make the long-lasting functional health systems of the society, and to improve the quality of medicine. The Graduate School of Public Health offers academic training for becoming such highly skilled professionals who are enablers of embracing a problem-solving approach based on their analytic judgement, as well as taking leadership roles in tackling with complex challenges in public health.



Admission Policy

The Master of Public Health program (a professional degree course) is designed to educate individuals who contribute to promote people's health, to make the long-lasting functional health systems of the society, and to improve the quality of medicine. The school aims to make students enablers of embracing a problem-solving approach based on their analytic judgement for the challenges of public health.

What learning public health means is to acquire comprehensive knowledge, skills and the mindset for practicing the problem-solving approaches for the challenges in public health. Therefore it requires a little more than the interest and basic knowledge on people's health: the interdisciplinary knowledge and experiences, the awareness of social issues, and the logical point of view, as well as the background of leadership skills count.

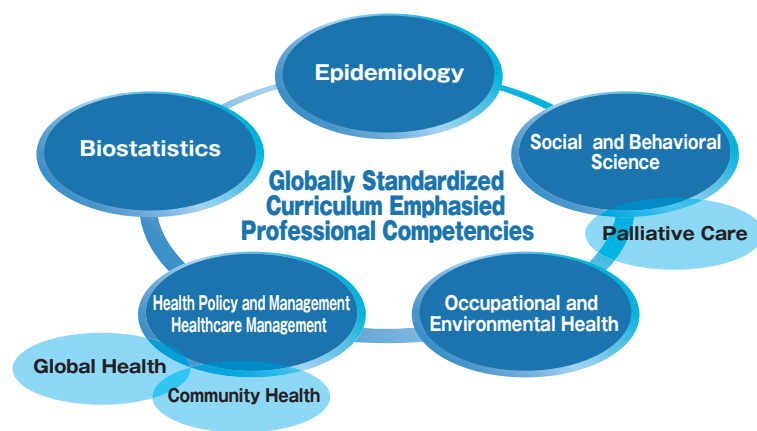
The school expects the following qualifications of prospective students, who should attain from their former education and work experiences:

1. To have basic knowledge, academic ability and practical skills, with highly motivated to advance them
2. To have interest in people's life and health, and compassion for the sick and the weak
3. To value the logical and rational way of thinking, and examine things in a multi-faceted way
4. To have flexibility to cooperate with people with diverse backgrounds, along with strong leadership and ability to carry out



Key Features of the Programs

- US-style Graduate School of Public Health (conforms to the Council on Education for Public Health [CEPH] accreditation criteria)
- Education programs developed and conducted in collaboration with Harvard School of Public Health. Five Professors from Harvard University (world authorities on public health) visit and give special intensive lectures called Harvard Special Sessions
- Specialized education from the perspectives of both local and global public health
- The development of problems solving skills and professional competencies through case methods and on the job training



At a Glance

Founded — April 2011

Degree — Master of Public Health (MPH)

Degree Programs 2 years (10 students) /
1 year (10 students)
(The 1 year course is designed for students with at least 2-3 years of practical experience in hospitals, government healthcare agencies and/or pharmaceutical industry.)



Main Coursework

- Senior Occupational Health Physician/Consultant (1 year course)
- Occupational Health Nurse (1 year course)
- Principal Investigator Physician for Clinical Trials (1 year course)
- Specialist in Biostatistics (1 and 2 year course)
- Registered Nurse for Clinical Trials (1 and 2 year course)
- Hospital Administrator/Director (1 year course)
- Hospital Chief-Manager (2 year course)
- Director of a Paramedical Department (1 and 2 year course)
- Specialist in Global Health (1 and 2 year course)
- Specialist in Health Administration (1 and 2 year course)
- NGO/NPO Specialist (1 and 2 year course)



Curriculum Overview

Epidemiology
 Biostatistics
 Social and Behavioral Science / Palliative Care
 Health Policy and Management / Global Health
 Healthcare Management / Community Health
 Environmental Health
 Occupational Health

Epidemiology

The importance of Evidence Based Medicine (EBM) has been emphasized repeatedly in recent years. EBM is a developed form of clinical epidemiology, constituting the art and science of systematically utilizing previous results of epidemiological studies in order to evaluate current clinical practice and achieve more appropriate medical care.

Thus, for appropriate medical care, the utilization of EBM is highly beneficial and, in order to implement it, a deep understanding of clinical epidemiology as the basis for EBM is indispensable. To produce clinical findings evidence, we need to focus on outcomes and, to reject the possibility of chance, outcomes should be identified from groups of people rather than from a few individuals. In addition, to obtain and analyze information from persons for whom ethical considerations are particularly required, high technological standards on the part of the specialist and the implementation of the necessary precautions are needed.

This underscores the importance of learning epidemiological methods from both theoretical and practical perspectives. In summary, epidemiology provides the basic ideas and skills through which to comprehend and solve problems in public health. It is an indispensable discipline for all professionals working in public health.

Lectures: Introduction to Epidemiology, Introduction to Clinical Epidemiology,
 Qualitative Study, Harvard Special Session on Epidemiology

Seminars: Seminar on Epidemiology, Seminar on Clinical Epidemiology, Study Critique

Faculty Members

Prof. Eiji Yano, MD, MPH, DMSc
 Prof. Yoshiharu Fukuda MD, PhD
 Assoc. Prof. Kyoko Nomura, MD, MPH, DMSc
 Assoc. Prof. Kenzo Takahashi, MD, MHS, PhD
 Asst. Prof. Keisuke Kuwahara, PhD

Visit. Prof. Kenneth Rothman, DMD, DPH
 Visit. Prof. Julie Buring, DSc
 Adj. Prof. Kazuhiro Ohwaki, MD, DMSc
 Adj. Prof. Hirofumi Takagi, PhD

Biostatistics

"The New 5 Yearly Clinical Trial Activation Plan" has been implemented by the Ministry of Education, Culture, Sports, Science and Technology and the Ministry of Health, Labour and Welfare of Japan since March 2008. A great shortage of biostatisticians in Japan has been reported. Physicians and nurses who can conduct clinical trials have also been in short supply in Japan, as compared to other advanced countries. To conduct clinical trials, highly skilled human resources are needed for study design, data analysis, and evaluation of results with a scientifically appropriate method based on specialized statistical knowledge. Investigators who can carry out clinical trials according to the regulations and guidelines for new drug approval are needed. In this course, students will gain such knowledge and master the required skills through lectures and practice.

Lectures: Introduction to Biostatistics, Introductory Applied Biostatistics, Introduction to Clinical Trials,
 Harvard Special Session on Biostatistics

Seminars: Seminar on Biostatistics, Seminar on Data Analysis, Seminar on Design of Clinical Trials

Faculty Members

Prof. Kazue Yamaoka, DMSc
 Prof. Masaaki Matsuura, PhD
 Prof. Shunya Uchida, MD, PhD
 Prof. Kenji Eguchi, MD
 Lecturer Asuka Nemoto, MS,ME

Visit. Prof. Marcello Pagano, PhD
 Visit. Prof. Nan Laird, PhD
 Visit. Prof. Toshiro Tango, PhD
 Adj. Prof. Takahiro Hasegawa, MS,DPH



Social and Behavioral Science / Palliative Care

Medical communication, including relationships with patients at hospitals, has become an increasingly important issue, and has been recognized recently as a public-health task. In this course, students will learn theoretical and practical communication skills for establishing a good relationship with patients or participants in health education, based on established models of behavioral science. They will also learn several approaches for health promotion, i.e., the process of helping people to maintain or improve their health by their own efforts, in a systematic way, by referring to the individuals' lifestyle and environmental factors associated with health.

Lectures : Introduction to Behavioral Science in Health, Health Education, Health Communication, Social Epidemiology, Public Health Ethics, Special Session on Social and Behavioral Science
Seminars / Practice: Seminar on Health Education, Practicum on Terminal Care

Faculty Members

Prof. Mutsuhiro Nakao, MD, MPH, PhD
 Prof. Yoshiharu Fukuda, MD, PhD
 Assoc Prof. Mariko Inoue, MPH, PhD

Visit. Prof. Ichiro Kawachi, MD, PhD
 Adj. Prof. Hirono Ishikawa, MS, DPH, PhD
 Adj. Prof. Ko Kawagoe, MD, DMSc
 Adj. Prof. Yoshiyuki Takimoto, MD, DMSc

Health Policy and Management / Global Health

Experts in public health policy and public health practitioners are in great demand, given that rapid changes in our natural and social environments have led to major public health threats such as pandemic flu. Public health problems are becoming more complicated and the solutions provided by health policy must be properly planned and implemented, based on scientific evidence. Highly competent health professionals are needed in a public health emergency for providing prompt responses and decision-making based on epidemiological perspectives. Public health professionals should be equipped with public health skills, health policy management knowledge, and evidence based health policy expertise. Public health thinking on the social determinants of health and disparities of health are related to the globalization of the economy and society. Competencies in health policy design, the design of action plans, and strong leadership for the implementation of such plans, are much needed in the global world. In Japan, health policy planners face conflicts involving trade-offs between cost and services, specifically, in trying to maintain the quality and efficiency of health care services while the cost of health care continues to escalate with an aging society. Students will study health care policy and the health economics of Japanese cases to examine appropriate decision-making for cases under difficult and complex conditions.

Lectures : Social Security System and Health Policy, Introduction to Global Health, Special Session on Health Policy and Management
Seminars / Practice: Seminar on Global Health, Practicum on Global Health

Faculty Members

Prof. Hideki Yamamoto, MD, MPH, PhD
 Assoc. Prof. Kenzo Takahashi, MD, MHS, PhD
 Assoc. Prof. Mariko Inoue, MPH, PhD
 Assoc. Prof. Kayako Sakisaka
 Visit. Prof. Norman Daniels, PhD
 Visit. Prof. Naoki Iguchi, BEc

Visit. Assoc. Prof. Go Tanaka, MD, MPH, PhD
 Adj. Prof. Hideki Hashimoto, MD, DPH, DMSc
 Adj. Prof. Kenji Shibuya, MD, DPH
 Adj. Prof. Nobuyuki Nishikiori, MD, Msc, PhD

Healthcare Management / Community Health

We are aiming to educate leaders in healthcare for our future. Healthcare has been heavily regulated thus far, with few opportunities for the development of management skills to run healthcare facilities. However, in the face of increasingly fierce international competition, healthcare really needs professional managers who can manage all aspects of healthcare and maintain quality based on scientific evidence. Our program focuses on leadership, data and information management, planning, healthcare economics, and healthcare safety management.

Lectures : Introduction to Healthcare Administration and Safety Management, Health Economics, Introduction to Health Informatics, Community Health, Leadership and Management
Seminars / Practice: Seminar on Healthcare Management, Seminar on Health Informatics
 Practicum on Healthcare Administration, Practicum on Community Health

Faculty Members

Prof. Yoshinori Nakata, MD, MBA, PhD
 Assoc. Prof. Kenzo Takahashi, MD, MHS, PhD
 Lecturer Gu Yan-Hong, MS, PhD
 Inst. Tomoko Yamamura, MSLIS
 Visit. Prof. David Hunter, PhD, MA, FRCP

Visit. Prof. Tatsuro Ishizaki, MD, MPH, DMSc
 Adj. Prof. Yasuki Kobayashi, MD, DMSc
 Adj. Prof. Hiroto Narimatsu, MD, DMSc
 Adj. Prof. Jun Kobayashi, MD, PhD
 Adj. Prof. Tatsu Nakazawa, MD, PhD
 Adj. Prof. Makoto Yamamoto

Occupational Health

As the result of an aging population, major causes of death and patterns of morbidity have changed across the nation and in the workplace. The proportion of elderly workers has increased and cardio-vascular diseases and cancer have become more important in the workplace, creating a shift away from the once dominant infectious diseases. Epidemiological knowledge is required to identify the work-related diseases of chemical workers and construction workers. Furthermore, technological progress and structural changes in industries can lead to work style changes, resulting in increased occupational stress, which turns out, in fact, to be the most serious issue in the workplace. Among patients with depression, which is a cause of suicide, many suffer from fatigue, sleep disturbance, nausea, and palpitations. Physical illness also becomes exaggerated under conditions of psychological problems and stress. For the prevention and treatment of these conditions, an understanding of the patient from both a physical and a psychological approach is needed. In the workplace, occupational health physicians are expected to play the main role in solving these problems; however, few of them are systematically trained to be able to practically handle these matters. In this course, students will learn specific knowledge and acquire managerial capacity pertinent to this area, including knowledge of legislation and various systems related to occupational health, as well as knowledge concerning organizations for industrial hygiene. With regard to mental health in particular, students will learn evidenced-based, effective preventive measures

Lectures: Introduction to Occupational and Environmental Health, Occupational Health, Occupational Toxicology, Special Session on Occupational and Environmental Health
Practice : Practicum on Occupational and Environmental Health

Faculty Members

Prof. Shinichi Tanihara, MD, PhD
 Prof. Kunio Hara, MS, PhD
 Prof. Eiji Yano, MD, MPH, DMSc
 Prof. Muneyuki Miyagawa, DMSc
 Visit. Prof. Peter Baxter, MD, MSc, FRCP, FFOM

Visit. Prof. Kazutaka Kogi, MD, DMSc
 Visit. Assoc. Prof. Tohru Yoshikawa, MD
 Adj. Prof. Hirohiko Nakahara, MEng
 Adj. Prof. Asako Higashikawa, MD, DMSc
 Adj. Prof. Nobusuke Sugisawa, MD

Environmental Health

Environmental Health Sciences is a discipline that deals with the effects of environment on human health. we discuss environmental hazards such as air pollution, and the physical environment such as noise and temperature. It also deals with global environmental issues, including green house effects and the solutions to such problems. To achieve proficiency in these areas, in this course, students will acquire knowledge and skills by which to identify environmental hazards and their health effects, and they will learn how to make plans and practical measures that will prevent adverse effects and protect the environment for specific populations as well as at the global level.

Lectures: Introduction to Occupational and Environmental Health, Environmental Health, Special Session on Environmental Health
Practice : Practicum on Occupational and Environmental Health

Faculty Members

Prof. Kunio Hara, MS, PhD
 Prof. Eiji Yano, MD, MPH, DMSc
 Prof. Shinichi Tanihara, MD, PhD

Visit. Prof. Douglas Dockery, MS, ScD
 Adj. Prof. Norihiko Koyama, PhD

Balancing comprehensive research and practice,
with an eye on global health,
the program challenges to prepare competent professionals
to be change agents of public health and educators for the next generation

Mission

The Doctor of Public Health program specifically prepares students to become “change agents”, that is, senior managers/directors who have highly integrated leadership, management and communication skills. The school offers advanced academic training for students who contribute to promote people’s health, to make the long-lasting functional health systems of the society, and to improve the quality of medicine. The goal for these future professionals is to be enablers to analyze current issues, to present their result and evidence-based solutions, to implement and to evaluate the whole process, as well as taking leadership roles accommodating with ever-changing society and technological growth, and tackling with complex challenges in public health.



Admission Policy

The Doctor of Public Health program offers advanced academic training for students who contribute to promote people’s health, to make the long-lasting functional health systems of the society, and to improve the quality of medicine. It prepares students to be senior managers/directors who have highly integrated leadership, management and communication skills. The goal for these future professionals is attaining strong leadership as well as being an enabler with a problem-solving approach with the scientific method: to analyze current issues, to present their result and evidence-based solutions, to implement and to evaluate the whole process.

The school seeks the following qualifications of prospective students:

1. To have knowledge, academic ability skills at a certain level for a researcher or practitioner, with highly motivated to advance them for future education and instruction
2. To have interest in people's life, health and well-being, and compassion for the sick and the weak
3. To value the logical and rational way of thinking, judgement and action from the analytical point of view for problem solving
4. To have great potential in exceptional leadership and ability to carry out for public health practice

At a Glance

Founded	April 2014
Degree	Doctor of Public Health (DrPH)
Degree Programs	3 years (6 students)
Admissions	April



Curriculum

● Epidemiology and Biostatistics

Seminar on Epidemiology I (Clinical Epidemiology)
 Seminar on Epidemiology II (Theory and Methods)
 Seminar on Epidemiology III (Application of Epidemiology)
 Seminar on Epidemiology IV (Social and Behavioral Sciences)
 Seminar on Biostatistics I (Applied Biostatistics)
 Seminar on Biostatistics II (Statistical Models)
 Seminar on Biostatistics III (Application of Biostatistics)
 Seminar on Data analysis
 Seminar on Clinical Trial
 Research Practicum on Biostatistics and Epidemiology

● Health Policy and Management

Seminar on Health Policy I
 Seminar on Health Policy II
 Seminar on Health Economics
 Seminar on Health Administration
 Seminar on Community Health
 Seminar on Global Health
 Research Practicum on Health Policy and Management

● Occupational and Environmental Health

Seminar on Occupational and Environmental Medicine
 Seminar on Occupational Health
 Seminar on Occupational and Environmental Engineering
 Seminar on Public Nuisance
 Seminar on Global Environmental and Disaster Science
 Seminar on Occupational and Environmental Health
 Research Practicum on Environmental and Occupational Health

● Core Requirements

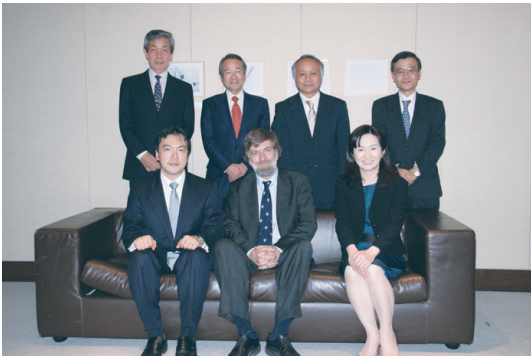
Seminar on Risk Science
 Seminar on Organizational Behavior Management
 Seminar on Public Health Ethics
 Seminar on Public Health I (Epidemiology)
 Seminar on Public Health II (Biostatistics)
 Seminar on Public Health III (Environmental and Occupational Health)
 Seminar on Public Health IV (Health Policy and Management)
 Seminar on Public Health V (Social and Behavioral Sciences)
 Seminar on Introduction to Clinical Medicine

Academic Staff

Prof. Kazue Yamaoka	DMSc	Epidemiology and Biostatistics
Prof. Shinichi Tanihara	MD, PhD	Occupational and Environmental Health
Prof. Mutsuhiro Nakao	MD, MPH, PhD	Epidemiology and Biostatistics
Prof. Yoshinori Nakata	MD, MBA, PhD	Health Policy and Management
Prof. Kunio Hara	DMSc	Occupational and Environmental Health
Prof. Yoshiharu Fukuda	MD, PhD	Health Policy and Management
Prof. Masaaki Matsuura	DMSc	Epidemiology and Biostatistics
Prof. Eiji Yano	MD, MPH, DMSc	Occupational and Environmental Health
Assoc. Prof. Mariko Inoue	MPH, PhD	Health Policy and Management
Assoc. Prof. Kenzo Takahashi	MD, MHD, PhD	Health Policy and Management
Assoc. Prof. Kayako Sakisaka	MHS, PhD	Health Policy and Management

Joint Programs with Harvard University

In addition to *Teikyo-Harvard Symposia* that are held every other year, professors of Harvard School of Public Health give eight lectures on each five areas established by the Council on Education for Public Health as the abridged version of the lectures of Harvard School of Public Health (*Harvard Special Session*). Students enrolled in have an opportunity to earn the credits that are authorized by professors of both Teikyo and Harvard School of Public Health. The Certificate of Achievement is issued to the student upon completion of the course. The students from Harvard University of various nationalities visit Teikyo University and join the exchange programs during Harvard Special Session (*Harvard Japan Trip*) .



Curriculum of Harvard Special Session 2017

Course	Instructor	Credit
Epidemiology	Murry Mittleman	1
Biostatistics	Garrett Fitzmaurice	1
Behavioral Science/Social Epidemiology	Ichiro Kawachi	1
Health Policy and Management	Alastair Gray	1
Introduction to Occupational Medicine	Rose Goldman	1

<http://harvardspecialsession.web.fc2.com>

Global Academic Partnership

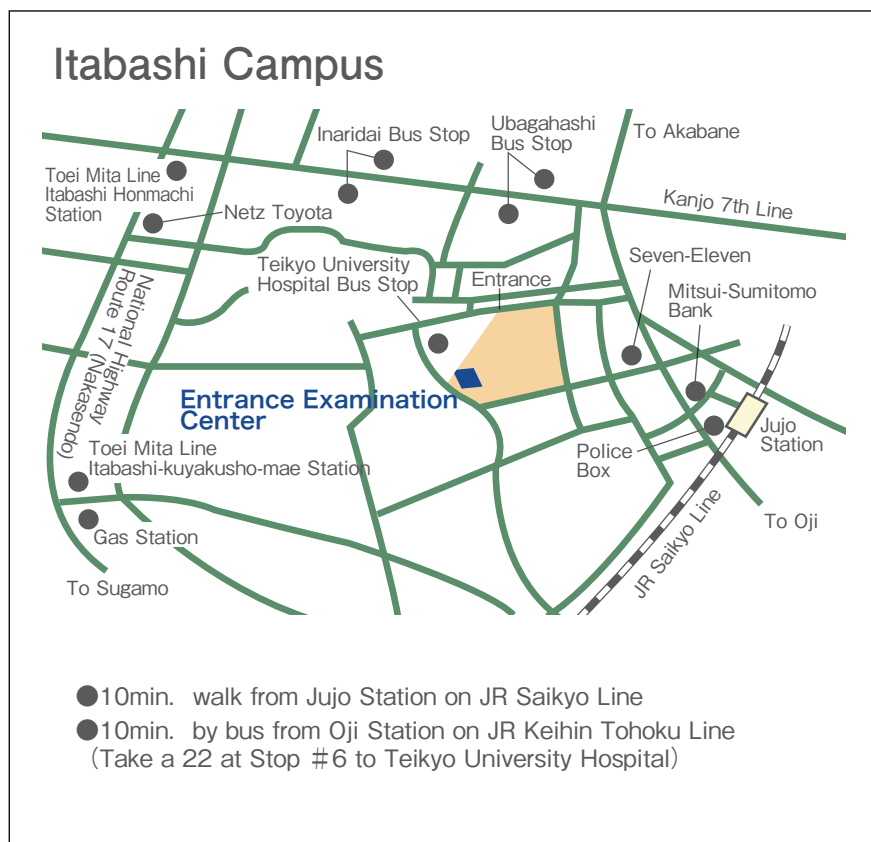
To foster highly skilled professionals with a global perspective, Teikyo University has developed the academic synergy with numerous overseas universities, especially in the Asia-Pacific region as a member of APACPH. Teikyo School of Public Health continues developing dynamic collaborations with universities in Asia and promoting international exchange programs for networking with Asia-Pacific public health professionals. In other words, Teikyo School of Public Health aims to take a leadership role in fostering professionals who can solve global issues, especially ones in Asia.



※ APACPH : Asia Pacific Academic Consortium for Public Health



Access Map



Further Information

Office of the Faculty of Medicine, Itabashi Campus, Teikyo University
 2-11-1, Kaga, Itabashi-ku, Tokyo, 1738605, Japan
 Int.Call: +81-3-3964-3294
 tsphgakui@teikyo-u.ac.jp
http://www.teikyo-u.ac.jp/graduate_school/sph/

