

# Overview of Public Health Medicine in Disease Prevention

(Code: 8606 1<sup>st</sup>-3<sup>rd</sup> year 2 units)

Attendance hours	24
No attendance hours	6
Total hours	30

## 1. Instructors

Name	Position	Department	Contact Information
NAKAMURA Keiko	Chief Instructor / Professor	Department of Global Health Entrepreneurship	nakamura.ith@tmd.ac.jp
YAMAOKA Shoji	Professor	Department of Molecular Virology	shojmmb@tmd.ac.jp
TAKADA Kazuki	Professor	Department of Professional Development in Health Sciences	takada.rheu@tmd.ac.jp
FUJIWARA Takeo	Professor	Department of Global Health Promotion	fujiwara.hlth@tmd.ac.jp
AKITA Keichi	Professor	Department of Clinical Anatomy	akita.fana@tmd.ac.jp
ISHINO Tomoko	Professor	Department of Parasitology and Tropical Medicine	tishino.vip@tmd.ac.jp
SEINO Kaoruko	Junior Associate Professor	Department of Global Health Entrepreneurship	seino.ith@tmd.ac.jp
OKADA Takuya	Specially Appointed Associate Professor	Department of Gastrointestinal Surgery	t-okada.srg1@tmd.ac.jp
ITO Takashi	Assistant Professor	Department of Human Pathology	t.ito.pth1@tmd.ac.jp

## 2. Lecture place

The lecture classes will be conducted either in an onsite classroom at Ochanomizu Campus and/or by ZOOM (web remote lecture system). ZOOM ID/PWD will be notified by e-mail from Graduate Education Team 1 to the registered students. Students are required to attend class on time.

## 3. Course Purpose and Outline

This course offers a general introduction to public health medicine, addressing fundamental topics and basic measures required for a global leader in disease prevention and data science medicine. The course focuses on development of essential knowledge and skills for global disease prevention and implementation science through lectures and discussions based on select case studies.

#### 4. Course Objectives

At the end of the course, participants will be able to:

- 1) Describe the roles and responsibilities of public health in disease prevention
- 2) Describe development in basic, clinical, and public health research using data science
- 3) Describe theory and application of implementation medical science
- 4) Describe and apply the basic principles and methods of medical research to disease prevention
- 5) Describe the main ethical issues in international medical research
- 6) Describe cross-border health issues in relation to globalization
- 7) Describe history of medical research
- 8) Describe leadership in medical education and medical research

#### 5. Lecture Style

Lectures, group discussions, and team projects. All programs are conducted in English. International students and Japanese students attend the same class and use English in the classroom.

Students from the Medical and Dental Science or Biomedical Science departments are both welcome to the course.

Attendance on time (synchronous learning) is the default style of attending class.

#### 6. Lecture plan

No	Date	Time	Theme	Staff
1	October 24	16:00-19:10	Implementation medical science in the context of global health	NAKAMURA Keiko
2	November 9	8:50-12:00	Health Promotion	MORITA Ayako
3	November 21	16:00-19:10	Prevention and control of communicable disease	GU Yoshiaki
4	November 28	16:00-19:10	Prevention and control of tropical disease	ISHINO Tomoko
5	December 12	16:00-19:10	Prevention and control of non-communicable disease and implementation science	SEINO Kaoruko
6	December 19	16:00-19:10	Prevention and control of cancer	OKADA Takuya, ITO Takashi
7	January 16	16:00-19:10	History of Anatomy and Body donation	AKITA Keiichi
8	January 23	16:00-19:10	Leadership	TAKADA Kazuki

#### 7. Grading System

Grades are based on attendance at lectures, performances during group discussions and team project as well as on assignments, and levels of attitude, skills and knowledge.

**8. Prerequisite Reading**

When reading materials are distributed or specified in advance, participants are expected to read those materials beforehand.

**9. Reference Materials**

To be announced before or during individual classes, when relevant.

**10. Office Hours**

Please contact Prof. Keiko Nakamura at [nakamura.ith@tmd.ac.jp](mailto:nakamura.ith@tmd.ac.jp)

**11. Note(s) to Students**

Both international and Japanese students participate in this program, provided in English, and learn together about public health medicine in disease prevention. The course is a core part of nurturing global leaders in disease prevention and data science medical research that TMDU provides.