

Overview of Public Health Medicine in Disease Prevention

(Code : 4810 1st – 2nd year, 2 units)

(Course ID: GS-c4810-L)

1. Instructors

Name	Position	Department	Contact Information
NAKAMURA Keiko	Chief Instructor / Professor	Department of Global Health Entrepreneurship	nakamura.ith@tmd.ac.jp
AKITA Keiichi	Professor	Department of Clinical Anatomy	akita.fana@tmd.ac.jp
YAMAOKA Shoji	Professor	Department of Molecular Virology	shojmmb@tmd.ac.jp
FUJIWARA Takeo	Professor	Department of Global Health Promotion	fujiwara.hlth@tmd.ac.jp
TAKADA Kazuki	Professor	Professional Development in Health Sciences	takada.rheu@tmd.ac.jp
SEINO Kaoruko	Junior Associate Professor	Department of Global Health Entrepreneurship	seino.ith@tmd.ac.jp
OKADA Takuya	Junior 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. Classroom/Lab Lecture Location

Please confirm the location by contacting your respective instructors before attendance.

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:

- Describe the roles and responsibilities of public health in disease prevention
- Describe development in basic, clinical, and public health research using data science
- Describe theory and application of implementation medical science
- Describe the global distribution and causes of major diseases, injuries and health risk factors, and the main prevention and control strategies
- Describe and apply the basic principles and methods of medical research to disease prevention
- Describe the main ethical issues in international medical research
- Describe cross-border health issues in relation to globalization

5. Format

All programs are conducted in English in an omnibus format.

The course will be conducted through lectures, group discussions and team projects.

International students and Japanese students will attend the same course.

6. Course Details

No	Topics
1	Implementation medical science in the context of global health (1)
2	Implementation medical science in the context of global health (2)
3	Prevention and control of communicable disease (1)
4	Prevention and control of communicable diseases (2)
5	Prevention and control of tropical diseases (1)
6	Prevention and control of tropical diseases (2)
7	Health promotion (1)
8	Health promotion (2)
9	Prevention and control of non-communicable diseases and implementation science (1)
10	Prevention and control of non-communicable diseases and implementation science (2)
11	Prevention and control of cancer (1)
12	Prevention and control of cancer (2)
13	Leadership (1)
14	Leadership (2)
15	History of Anatomy and Body donation (1)
16	History of Anatomy and Body donation (2)

7. Assessment

An overall assessment of graduate school students who have participated in at least 2/3 of face-to-face lectures (including a part of those streamed live) will be made. It will comprise of the student's attitude (participation in discussions, presentations, etc.) (30%), short tests (30%) and report assignments (40%). If the course is taken through E-learning (live streaming and video viewing), there will be a confirmation exam after the coursework is completed (also video viewing through E-learning) to assess the participant's understanding of the content. Those who pass the exam will be regarded as having fully attended this course. In those cases, the overall assessment will comprise reports with respect to discussions in the class (30%), short tests (30%) and report assignments (40%).

8. Prerequisite Reading

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

9. Reference Materials

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

10. Language Used

All classes are conducted in English.

11. Office Hours

Mon – Fri: 9:00 AM – 17:00 PM

Contact: NAKAMURA Keiko, Department of Global Health Entrepreneurship

E-mail: nakamura.ith@tmd.ac.jp

Please contact the instructor regarding questions or consultations.

12. 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 the disease prevention and data science medical research that TMDU provides.