

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
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2. Classroom/Lab Lecture Location

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. 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.

7. Prerequisite Reading

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

8. Reference Materials

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

9. Language Used

All classes are conducted in English.

10. Office Hours

Please contact Prof. Tomoko Ishino at tishino.vip@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 Science Tokyo provides.