

Public Health and Environmental Science

Syllabus Number

5G361

Special Subjects
Elective 2 credit

GOTO, Sumio

1. Course Description

Students will learn the following themes.

- 1) Definition of Health and Overview of Public Health.
- 2) Environmental Health, including physical and chemical factors.
- 3) Overview of Epidemiology and its method.
- 4) Health problems today.

The lectures on Environmental Health will be given by Dr. Sumio Gotoh.

2. Course Objectives

The students will understand what kinds of factors influence the health of contemporary people, The students can explain the present status of the following topics, and think about how to manage the factors in the future.

- 1) Factors influence the health of humans and how to protect human health from those factors.
- 2) Effects of environmental pollutants on human health.
- 3) Assessment of the health status of humans.
- 4) Health and medical services in Japan.
- 5) Infectious diseases.

3. Grading Policy

Students are evaluated by the term-end examination. The passing mark is 60% or higher.

4. Textbook and Reference

Reference

Journal of Health and Welfare Statistics, Vol. 66 (9), 2019 (In Japanese) Health, Labour and Welfare Statistics Association

5. Requirements(Assignments)

6. Note

Printed materials are distributed.

7. Schedule

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| [1] | The definition of health and concepts in Public Health. |
| [2] | An introduction to Epidemiology. |
| [3] | Vital and static statistics in Japan. |
| [4] | Health effects of the climate change. (Physical environmental factors, part I) |
| [5] | Health effects of radiation. (Physical environmental factors, part II) |
| [6] | Health effects of particulate materials. (Chemical environmental factors, part I) |
| [7] | Health effects of tobacco smoke. (Chemical environmental factors, part II) |
| [8] | Water and Health. (Chemical environmental factors, part III) |
| [9] | Some topics on cancer. (Chemical environmental factors, part IV) |
| [10] | Japanese medical systems, Part I. (Health and medical services in Japan) |
| [11] | Japanese medical systems, Part II. (Medical insurance systems in Japan) |
| [12] | Japanese medical systems, Part III. (Present status and problems) |
| [13] | Infectious diseases, Part I. (Introduction on infectious diseases) |
| [14] | Infectious diseases, Part II. (Epidemiology and Prevention of infectious diseases) |
| [15] | Roles of the local health services. |