

Oral Disease Control and Molecular Epidemiology

Seminar/Lab./Clinic Academic year 1,2 credits
2·2·10

[Keywords] Oral health promotion, oral disease prevention, oral epidemiology, oral public health

[Academics] Itsuo Chiba, Hirofumi Matsuoka

[Course aims]

This course deals with public health surveys for social, behavioral, legal and ethical, epidemiologic and biostatistical studies related to dental medicine. Herein, priority is given to investigations in microbiology, epidemiology, molecular epidemiology, and research about the prevention of oral diseases, about health politics, and on health care conditions in and outside of Japan.

[Course objectives]

The goals of this course are for students to be able to:

1. Explain the prevention of oral diseases based on knowledge of histopathology and molecular biology.
2. Explain the prevention of oral diseases based on knowledge of microbiology and immunology.
3. Explain the prevention of oral diseases based on knowledge of epidemiology.
4. Explain the prevention of oral diseases based on knowledge of public health.
5. Explain the prevention of oral diseases based on knowledge of global health.
6. Learn a foreign language as a social contribution.

[Course content]

| Class | Theme | Content | Academics |
|-------|--|--|-----------|
| 1 | Classroom lectures | oral epidemiology and statistical analysis | |
| 2 | Laboratory courses focused on understanding oral histopathology and molecular biology. | | |
| 3 | Classroom lectures | local and global oral public health | |
| 4 | Oral presentation and publication of a paper. | | |
| 5 | Preparation for journal club. | | |

[Grading policies]

Your overall grade in class will be decided based on class attendance and reports.

[Textbook]

Students will be informed of which textbook to use

[Reference book]

Same as above

[Preparation for course]

Students must understand the course objectives and prepare appropriately for classes.