Advanced Course in Oral Disease Control and Molecular Epidemiology	Lecture/Lab. Academic year 1,2 credits 2,4

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

[Academics] Hiroko Miura, Hirofumi Matsuoka, Osamu Uehara

[Course aims]
Dentists need to understand and acquire the natural and social scientific knowledge and skills to prevent oral diseases and to acquire the attitude necessary to solve this problem. This course is designed to provide students with the knowledge and skills necessary to prevent oral diseases.
   In this course, students will acquire theories and techniques for preventing oral diseases and promoting health and learn how to apply them to the health of individuals, processes, and communities, as well as of humankind as a whole. The course aims to deepen students' understanding of the pathogenesis and etiology of various oral diseases and to understand and apply the practical and analytical methods of basic and clinical research necessary for developing new preventive methods.

[Course objectives]
1. Understand and apply the bacteriological and immunological analytical methods necessary to elucidate the etiology of oral diseases and their prevention.
2. To understand and apply the epidemiological analysis methods necessary to elucidate the etiology of oral diseases and their prevention.
3. Understand and practice community oral health.
4. Understand and practice health service research in dentistry.

[Course content]

Class	Theme	Content	Academics
1	Basic research on etiology, pathogenesis, and prevention of oral diseases (1)		Osamu Uehara
2	Basic research on etiology, pathogenesis, and prevention of oral diseases (2)		Osamu Uehara
3	Research design required to conduct the study for oral health		Hirofumi Matsuoka
4	Analytical methods required to conduct the study for oral health		Hirofumi Matsuoka
5	Policy Research on Community Oral Health		Hiroko Miura
	Health services research in dentistry		Hiroko Miura

[Class implementation method]
Combination of face-to-face learning and distance learning
Class implementation depends on the implementation policy of each department (graduate school) or school.

[Grading policies]
Overall grade in the class will be based on class attendance and reports (or oral examination).

[Textbook]
Instructions will be given during the lecture.

[Reference book]
As mentioned above