

Methodology for Dental Research

[Lecture] [Academic year 1] [credits 2]

[Academics] Further notice

[Course aims]

Dentistry is a discipline specialized in the maxillofacial and oral regions. Now that maxillofacial and oral health has been proven to be associated with systemic health, maintaining the health of the corresponding areas and preserving their functions are important for the maintenance of the quality of life.

The purpose of this course is to deepen the understanding of research methodologies in the area of dental medicine, to learn the techniques needed to conduct such research, and to receive basic training in order to acquire the skills necessary to conduct research activities in the future.

[Course objectives]

The goals of this course are for the student to be able to:

1. Explain dental medical research
2. Understand and perform experimental methods required in the practice of basic research
3. Understand and perform experimental methods required in the practice of clinical studies
4. Understand and apply methods for analysis of data obtained from basic research and clinical studies
5. Understand how to compile data, how to give a presentation in a scientific meeting, and how to submit an article to a scientific journal

[Course content]

Class	Theme	Content	Academics
1	Planning of an in vitro study		
2	Various analytical methods used in in vitro studies		
3	Planning of an in vivo study		
4	Various analytical methods used in in vivo studies		
5	How to compile research findings		
6	Academic conference presentations and submission of academic papers		

[Class implementation method]

Combination of face-to-face learning and distance learning

* Class implementation depends on the implementation policy of each department (graduate school), interdisciplinary studies, and school.

[Grading policies]

Examination and report contents

[Textbook]

Will be indicated during class.

[Reference book]

Same as above

[Preparation for course]

Students are expected to prepare for the lessons by using reference literature and documents relevant to the study, on the basis of goals that will have been presented beforehand.