



Course Regime

Course: **Infection Prevention in Dental Practice**

Study Programme:

Medicine **Dental medicine**

Year of the Course: 1 2 **3** 4 5 6

Semester:

Winter Summer

Course type:

COMPULSORY **ELECTIVE**

Number of ECTS credits: **3**

Lecturer(s): Prof. Manica Mueller Premru, MD.

Participating Organisational Units (Departments and Institutes): Chair of Microbiology and Immunology and the Institute of Microbiology and Immunology, University of Ljubljana, Faculty of Medicine.

Parts (Modules) of the Course

- 1:
- 2:
- 3:
- 4:

Date of Issue: 15.9.2018

A. General part (*applies to compulsory and elective courses*)

1. Course objectives

Acquiring additional knowledge in the field of microorganisms which can be transferred while practicing dental medicine and cause infections in dental practitioners and patients.

Subject specific competences: a student is acquainted with the pathogenesis of microbial infections, ways of spreading microorganisms and measures for infection prevention and treatment, and is capable of applying the acquired knowledge in practice.

2. Comprehensive outline of the course organisation

All Infection Prevention in Dental Practice course notifications for students of dental medicine are posted in the web classroom.

The course is conducted in the form of 10 hours of lectures and 5 hours of seminars with compulsory attendance at 80% of lectures and obligatory seminar. Students have to hand in their seminar in written form with the compulsory literature list at least 3 days before its oral presentation. Detailed instructions for the preparation of the seminar paper are available on the website:

<http://www.imi.si/pedagoska-dejavnost/studijsko-gradivo/navodila-in-obrazci-mf>

3. Description of on-going assessment of knowledge and skills

Not foreseen.

4. Required conditions for the final examination (Course Exam)

A student can enter the final examination (course exam) if one attended at least 80% of lectures and prepared and presented a seminar paper.

5. Final assessment and examination of knowledge and skills (Course Exam)

The final assessment of knowledge is comprised of a written essay type exam and a seminar paper. The written exam has 10 questions and is 45 minutes long. The written exam grade constitutes 80% of the final grade, and the seminar paper and its public presentation 20% of the final grade. The grading scale in the Regulations for the Assessment of Knowledge and Skills for the Single-Cycle Master Study Programmes Medicine and Dental Medicine is used for grading.

Exam applications and cancellations: submitted via the VIS information system, the exam application no later than 3 working days and its cancellation 2 working days before the exam date.

A committee exam is held in line with the Regulations for the Assessment of Knowledge and Skills for the Single-Cycle Master Study Programmes Medicine and Dental Medicine. The committee exam consists of a written and an oral part.

A student has the right to personally access one's own written part of the exam in line with Article 39 of the Regulations.

6. Other provisions

Students are not allowed to use aids during knowledge assessment.

7. Fundamental study material and Supplement reading

Müller Premru M. Preprečevanje okužb v zobozdravstvu: učbenik za študente dentalne medicine. Ljubljana: Medicinska fakulteta, Inštitut za mikrobiologijo in imunologijo, Katedra za mikrobiologijo in imunologijo, 2012: 1-68.

Gubina M., Ihan A. Medicinska bakteriologija z imunologijo in mikologijo. Ljubljana: Medicinski razgledi, 2002.

Miller CH, Palenik CJ. Infection control and management of hazardous materials for the dental team. 4th ed. St. Louis: Elsevier Mosby, 2010-365.

8. Exam topics, clinical presentations and skills

Basics of epidemiology of infectious diseases. Infection causing agents in dental practice. Personal protective equipment. Hand washing and disinfecting. Use of medical gloves. Disinfecting the skin and mucose membranes of patients. Cleaning and disinfecting in dental practice. Sterilisation in dental practice. Handling instruments, straight and contra-angle handpieces. Water in dental equipment. Handling prosthetic materials and X-ray films. Handling sharp objects. Waste in dental practice. Principles in constructing dental practice premisses. Personal protection in dental practice. Protective vaccinations. Measures in case of treating infectious patients. Measures in case of blood contamination through puncture wounds or cuts.

9. Other information

B. Elective Courses

- 1. Participating main and guest lecturers:** Prof. Manica Mueller Premru, MD, PhD, Prof. Alojz Ihan, MD, PhD, Prof. Eva Ružić Sabljic, MD, PhD, TA Nataša Švent Kučina, MD, PhD.
- 2. Estimated time period in the semester:** October-November.
- 3. Maximum number of students for the elective course:** 15.
4. The course is conducted in Slovenian.