

COURSE SYLLABUS

ORAL AND MAXILLOFACIAL SURGERY, PRE-CLINICAL COURSE

Semmelweis University Faculty of Dentistry, Dentistry
Name of the course: Oral and Maxillofacial Surgery, Pre-clinical course Credit value: 2 Lessons (in hours in the whole semester): 28, from this lectures: 0 practicals: 28 seminars: 0 Type of the course: compulsory Semester in which it is announced according to the curriculum: 5th Frequency of announcement: per year The responsible educational and research organizational unit for teaching the subject: Department of Oro-Maxillofacial Surgery and Stomatology
Academic year: 2025/2026 I. semester
Subject code¹: FOKOSZB041_1A
Lecturer of the course: Prof. Zsolt Németh, Head of Department Academic position: professor Phone number: 00 36 1 266 0456
The goals and place of the course in regards to the education of dental students: The aim of the training is to provide all the necessary knowledge and basic skills for future dentists, that enables them to perform basic oral surgical procedures under supervisory control. The students become acquainted with all the necessary instruments, anaesthetic equipments and the steps of tooth extraction which they perform on extraction phantoms.
Location of the course (address of lecture hall, seminar room etc.): Week 1 to 9: Lecture hall, Dept. of Oro-Maxillofacial Surgery and Stomatology, 1085 Budapest, Mária utca 52. Week 10 to 13: FOCI Földvári and FOOC-39 room (Szentkirályi str. 47.)
Competences acquired by completion of the course: After the training, the students know the relevant instrument sets of tooth extraction and they can carry out the basic steps of tooth extraction. They also learn the instruments of dental anaesthesia. They can secure a hygienic work environment and acquire a basic diagnostic knowledge.
Pre-study requirements and prerequisites of course registration and completion, General and Oral Microbiology, Molecular Cell Biology II, Medical and Dental Physiology II. In case of a multi-semester subject, the standpoint of the educational-research unit on the concurrent subject registration and on the requirements of permission thereof: It is not possible.
Number of students required for announcement of course (min., max.): Students who accomplished the prerequisite courses are allowed to sign up. The number of students on each course will be determined according to the expected number of students and by our educational capacity. Each course will be filled up as declared in the rules of small-group education.
Method of course registration: Via the Neptun system
Detailed course/lecture description²: (to facilitate credit recognition in other institutions) Sterilization, disinfection and infection control of dental and operative dental equipments. Skin sterilization, surgical hand scrub and avoidance of iatrogenic infection. Surgical anatomy of teeth. The different types of local anaesthetics, indication and contraindication of their application. The instruments and steps of dental extraction.
Practices: 1-9. week: <ol style="list-style-type: none"> 1. Introduction: semester syllabus and course requirements. The history of oral surgery, surgical-medical diseases, characteristics of oral surgery. Personality types. 2. Asepsis-antisepsis. Disinfection, sterilization. The oral surgical operating theatre, behavior in the operating room.

3. Surgical instruments. Surgical anatomy of the teeth.
4. Surgical anatomy of the maxillary nerve. Surgical anatomy of the mandibular nerve.
5. Anamnesis, patient examination, communication, diagnosis. Diagnostic algorithm. Diagnostic and therapeutic protocols. Consent. Administration.
6. Routes of drug administration, syringes, needles. Principles of local anesthesia. The "geometry" of local anesthesia.
7. Stitches, types of sutures, suturing instruments.
8. The steps of tooth extraction
9. Classroom demonstration (written).

10-13. week:

Weeks 10 to 13 are practicals as per the following schedule:

Monday 8:00-9:30 **Groups 1,2,7** Dr. Körmöczy,

Thursday 12:15-13:45 **Groups 3,8,9**

Friday 8:00-9:30 **Groups 4,5,6**

On the **13th week**, we hold a practical demonstration covering the entire semester's material, including instruments and practical steps of tooth extraction. Form: verbal communication.

14. week: retake, upgrade

Lecturers of the course:

Specialists:

Dr. Amir Hossein Ashourioun
 Dr. Kinga Bérczy
 Dr. Katalin Csurgay
 Dr. Attila Iványi
 Dr. Árpád Joób Fancsaly
 Dr. István Kaposvári
 Dr. Dorottya Kiss
 Dr. György
 KomlósDr.
 Ferenc Koppány
 Dr. Noémi
 Kovács
 Dr. Kinga Renáta
 Körmöczy
 Dr. Petra Papócsi
 Dr. György Szmironov
 Dr. Ilona
 SzmironovaDr.
 Attila Szűcs

Residents:

Dr. Márton Acs
 Dr. Adrienn Beszedics
 Dr. Zita Biczó
 Dr. Emese Sarolta Dora
 Dr. Patrik István Füzes
 Dr. Emma Horváth
 Dr. Huba Donát Juhász
 Dr. Gábor Kammerhofer
 Dr. Eva Alexia Klenk
 Dr. Ábel Major
 Dr. Barnabás Oláh
 Dr. Anna Boglárka Tóth
 Dr. Botond Veres
 Dr. Huy Viet
 Dr. Réka Zsemberi

Courses (*obligatory and elective*) which in part or entirely overlap the topics of above course: Macroscopic anatomy, General dental pre-clinical course, History of Medicine

Special academic work required for completion of the course³: None

The use of Artificial Intelligence (AI) in teaching the subject: AI does not replace medical literature, textbooks, lecture materials, or clinical practice. All AI-generated information must be evaluated with critical thinking.

Attendance on practices and lectures, replacement in case of missed sessions: See in appendix No. 1.

Method of checking acquired knowledge during the study period⁴: We plan to perform a written and a practical midterm on the 9th and 13th week. The topics of the midterms are the topics of the practices of this semester. During the midterms we require theoretical knowledge, instrument recognition, and the demonstration of extraction performed on a phantom head. In case of certified absence there are 2 retake opportunities. The first retake option is in the form of an oral examination with one of the lecturers of the subject. The second retake is conducted by the head of Dentoalveolar Surgery Department (Dr. Árpád Joób-Fancsaly) or his deputy (Dr. Kinga Bérczy, Dr. Kinga Körmöczi). So there are a total of 3 options to absolve the midterms, including the not certificated absence.

Requirements of an accepted semester (*signature of the lecturer*): See in appendix No. 1.

Type of the exam: Practice mark

Requirements of the exam⁵: Conditions of completing the practical course is presented in subject requirement appendix No. 1. Practical course grade varies between 1 and 5.

The semester's material includes the theoretical and practical content from the textbooks, lectures, and practical sessions. The use of any aids during the examination is strictly prohibited. During assessments (exams, midterms), it is not permitted to rely solely on AI-generated information or statements. AI alone is not considered a scientific source, as the source of a given response cannot be reliably traced or verified.

Grading of courses⁶: See in appendix No. 1.

The possibility and requirements of an offered grade: It is not possible.

List of textbooks, lecture notes and recommended textbooks:

György Szabó: Oral and Maxillofacial Surgery, Semmelweis Kiadó Budapest, 2001

The textbook is recommended together with notes made at the practicals.

Recommended literature:

Howe. A Minor Oral Surgery, Wright, 1987

Howe: The Extraction of Teeth, Wright 1990

Steward et al.: An Outline of Oral Surgery, Wright, 1998

Peterson: Contemporary Oral and Maxillofacial Surgery, Mosby, 2003

Peterson: Principles of Oral and Maxillofacial Surgery, Decker, 2004

Robinson, Howe: Tooth Extraction. A practical guide, Oxford, 2000

Ward Booth, Hausamen, Schendel: Maxillofacial Surgery, C.Livingston Elsevier, 2007

No. 1 appendix Requirements in Oral and Maxillofacial Surgery Pre-clinical course

2025/2026 I. semester

- a. You may check the topics of the practices on separate sheet of paper.
- b. The lecture material will be available on the Moodle platform. The study materials, videos and audio files are owned by the Department of Oro-Maxillofacial Surgery and Stomatology. Sharing and any further utilisation is not allowed. For violation of the data management regulations the students are legally and ethically liable.
- c. In the first 9 weeks the practical lessons will be given theoretical education for whole class. On the 11-13. weeks the practice will be in smaller groups.
- d. The theoretical material of the semester will be examined in the form of an written midterm on the 9th week (03.11.2025) in the lecture hall. The theoretic and practical material will be examined in the

form of an oral and practice midterm on the 13th. This second midterm will be on the same time of the small group practice. A successful completion of the midterms is a condition semester acceptance. Only certified absence from the midterm is accepted. In case of uncertified absence, the midterm will be regarded as failure. In case of failed midterms there are 2 occasions for a retake. The first midterm is performed by a practice teacher, the second is with the head of the Dentoalveolar Surgery Department (Dr. Árpád Joób-Fancsaly) or with the deputy Head of Unit (Dr. Kinga Bérczy, Dr. Kinga Körmöczi).

- e. The signature at the end of the term may be denied if the student (we'll inform on the 13th week at latest)
- missed more than 3 classes
 - shows ignorance in the material presented at the classes
 - the average of the midterm grades is below 2
- f. There is no exam at the end of the first term of the third year. The practical grade will be assigned on the basis of attendance, diligence and the result of the midterms. The practice mark will be announced during week 14. The last opportunity to improve this mark is during the last week of the term at the discretion of the teacher. No changes can be made to the practical mark after the end of the term.
- g. Usage of cell phones during the time of the practices is prohibited. If the student uses a mobile phone despite the warning of the practice leader, they cannot continue the given practice and have to leave the practice hall immediately. This dismissal is equal with an absence which is taken into account of the permitted (maximum 3) absences during the semester. For taking notes during the time of the practice students can use tablets, notebooks, small laptops.
- h. It is not allowed to take photos audio/video recordings during lectures and practices.
- i. The textbook 'Oral Surgery, Maxillofacial Surgery' is recommended together with notes made at the practicals.

Signature of course lecturer:

Signature of head of department:

Date of submission:

Opinion of OKB:

Notes from the Dean's Office:

Signature of Dean:

¹ Filled out by the Dean's Office following approval

² Detailed and numbered for each week of theoretical and practical lessons one by one, indicating the names of lecturers and instructors

³ Eg. field practice, medical chart analysis, survey conducting, etc.

⁴ Eg. homework, report, midterm exam etc. Topics, dates, method of retake and replacement.

⁵ List of topics in case of theoretical exam, thematic and method in case of practical exam.

⁶ Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.

