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:** 2023/2024 I. semester

**Subject code:** FOKOSZB041_1A

**Lecturer of the course:** Dr. Zsolt Németh, Head of Department

**Academic position:** associate 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.):**
Lecture hall, Dept. of Oro-Maxillofacial Surgery and Stomatology, 1085 Budapest, Mária utca 52.

**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 sing 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 description:** *(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. Introduction: semester syllabus and course requirements. The history of oral surgery, surgical-medical diseases, characteristics of oral surgery. Personality types.
4. Surgical anatomy of the maxillary nerve.
5. Surgical anatomy of the mandibular nerve.
7. Routes of drug administration, syringes, needles. Principles of local anesthesia. The "geometry" of local anesthesia.
8. Stitches, types of sutures, suturing instruments.
9. Classroom demonstration (written).

**Lecturers of the course:**

**Specialists:**

- Dr. Amir Hossein Ashourioun
- Dr. Janka Bécser
- Dr. Kinga Bérczy
- Dr. Norbert Cziriák
- Dr. Attila Iványi
- Dr. Árpád Joób Fancsaly
- Dr. István Kaposvári
- Dr. Dorottya Kiss
- Dr. György Komlós
- Dr. Szilvia Koncz
- Dr. Ferenc Koppány
- Dr. Noémi Kovács
- Dr. Kinga Renáta Körmöczi
- Dr. Rita Margita Marton
- Dr. György Szmirnov
- Dr. Ilona Szmirnova
- Dr. Attila Szűcs

**Residents:**

- Dr. Márton Ács
- Dr. Adrienn Beszedics
- Dr. Zita Biczó
- Dr. Roland Decker
- Dr. Eszter Hardi
- Dr. Huba Donát Juhász
- Dr. Gábor Kammerhofer
- Dr. Nóra Magyar
- Dr. Béla Régeni
- Dr. Huy Viet

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**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 course**: None

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

**Method of checking acquired knowledge during the study period**: 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. Árpá Joób-Fancsaly) or his deputy (Dr. Kinga Bérczy). 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 exam**: Conditions of completing the practical course is presented in subject requirement appendix No. 1. Practical course grade varies between 1 and 5.

**Grading of courses**: 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**:

- The textbook is recommended together with notes made at the practicals.
Recommended literature:

Howe: The Extraction of Teeth, Wright 1990
Peterson: Contemporary Oral and Maxillofacial Surgery, Mosbi, 2003

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

2023/2024 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 10 weeks the practical lessons will be given theoretical education for whole class. On the 11-14. weeks the practice will be in smaller groups. The appointment and schedule of the small group education will be announced at the latest on the first practice.

d. The theoretical material of the semester will be examined in the form of a written midterm on the 9<sup>th</sup> week (30.10.2023) in the lecture hall. The theoretic and practical material will be examined in the form of an oral and practice midterm on the 13<sup>th</sup>. 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).

e. The signature at the end of the term may be denied if the student (we’ll inform on the 13<sup>th</sup> 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.

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.

It is not allowed to take photos audio/video recordings during lectures and practices.

The textbook 'Oral Surgery, Maxillofacial Surgery’ is recommended together with notes made at the practicals.

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<th>Signature of course lecturer:</th>
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<tr>
<td>Signature of head of department:</td>
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<tr>
<td>Date of submission:</td>
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<tr>
<td>Opinion of OKB:</td>
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<tr>
<td>Notes from the Dean’s Office:</td>
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<td>Signature of Dean:</td>
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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.