

**Semmelweis University, Faculty of Dentistry - single, long-cycle medical training -
Osztatlan általános fogorvos képzés**

Name of the host institution (and any contributing institution):

Parodontológiai Klinika

Name of subject: Szájsebészeti és parodontológiai preklinikai gyakorlat I.

in English: Preclinical practical training in oral surgery and periodontology I.

in German: -

Credit value: 2

Semester: 9th semester

(in which the subject is taught according to the curriculum)

Hours per week	Lecture	Practical lesson	Seminar
0.0	0.0	0.0	0.0

Hours per semester	Lecture	Practical lesson	Seminar
28.0	20.0	8.0	0.0

Type of course:

elective

Academic year:

2026/27

Language of instruction (for optional and elective subjects):

Angol

Course code:

FOSVPDK416_1A

(in the case of a new course, to be completed by the Dean's Office, following approval)

Course coordinator name: Dr. Molnár Bálint

Course coordinator location of work, telephone availability: +36 1 318 5222

Course coordinator position: Associate professor

Course coordinator Date and number of habilitation: -

Objective of instruction and its place in the curriculum:

This preclinical course provides practical training in the fundamentals of oral surgery and periodontology using a porcine jaw model. Students acquire basic surgical skills, including incision techniques, flap design, suturing, and the principles of wound management. Emphasis is placed on anatomical orientation, atraumatic tissue handling, and infection control. The course also introduces essential periodontal procedures and clinical decision-making. By the end of the course, students will be able to perform basic oral surgery and periodontal surgery techniques in a controlled

preclinical environment. The purpose of introducing the subject into the curriculum is to help and prepare students in choosing a specialization after graduation.

Method of instruction (lecture, group work, practical lesson, etc.):

Lessons (in hours in the whole semester): 28, from this lectures: 20 practicals: 8
seminars: 0

Competencies acquired through completion of course:

Skill-level diagnosis and differential diagnosis of oral surgical and periodontal diseases occurring during dental practice. Theoretical knowledge of therapeutic options and independent solution of simple cases. The grade point average achieved in the 8th semester should be above 4.5.

Course outcome (names and codes of related subjects):

Prerequisites for course registration and completion: (CODE):

Oral and Maxillofacial Surgery III., Implantology I., Periodontology II., Emergency dentistry II.

In the case of multi-semester courses, position on the possibility of and conditions for concurrent registration:

The number of students required to start the course (minimum, maximum), student selection method:

The course will be launched if a minimum of 5 students enroll. The maximum number of participants is 30. In the case of more than 30 applications, the first 30 applicants will be admitted to the course based on the time of registration in the Neptun system.

Detailed course syllabus (if the course can be divided into modules, please indicate): (Theoretical and practical instruction must be broken down into hours (weeks), numbered separately; names of instructors and lecturers must be listed, indicating guest lecturers/instructors. It cannot be attached separately! For guest lecturers, attachment of CV is required in all cases!)

Detailed course/lecture description2:**Lectures:**

1. Sterility, part of the operating room, surgical tray, surgical instruments
2. Anatomical structures of the head and neck region relevant to oral surgery and periodontology
3. Suturing techniques
4. Flap design I - full-thickness flaps
5. Flap design II - partial-thickness flaps
6. Pocket reduction surgical techniques in periodontology
7. Regenerative surgical techniques in periodontology
8. Types of special anesthesia, management of soft tissue injuries
9. Surgical procedures for sinus lift and apicoectomy

Practices:

- 10-13. week: Application of the theoretical knowledge acquired during lectures through practical exercises performed on a porcine mandible.
14. week: Written exam

Other courses with overlapping topics (obligatory, optional, or elective courses) in interdisciplinary areas. To minimize overlaps, topics should be coordinated. Code(s) of courses (to be provided):

Requirements for attendance, options for making up missed sessions, and method of absence justification:

Attendance at lectures and practical classes is not compulsory. There is no opportunity to make up missed lectures or practical sessions. The lecture slides are available for viewing on the Moodle system.

Assessment methods during semester (number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks):

(number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks)

Within the framework of the course, no forms of assessment or interim reports are required or conducted during the teaching period.

Number and type of individual assignments to be completed, submission deadlines:

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Requirements for the successful completion of the course:

Successful completion of a written test at the end of the semester.

Type of assessment:

term grade

Exam requirements (list of topics, topics of the test exam, and the optional project topics accepted as an exam)

Successful completion of a written test based on the submitted lectures and practices. The course material is based on the theoretical and practical information presented during the lectures. 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.

Clear, specific minimum requirements for assessment. (The list of mandatory concepts, parameters, diagrams, calculations, and practical skills required to obtain a passing grade, as well as the criteria for the completion and evaluation of project assignments accepted as an exam.) A link published on the department's website referring to the minimum requirements of the course.

Successful completion of a written test based on the submitted lectures and practices. The course material is based on the theoretical and practical information presented during the lectures. 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.

Method and type of grading (Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results in the end-of-term assessment. Possibilities of and conditions for offered grades.): (Share of theoretical and practical examinations in the overall evaluation, Inclusion of the results in the end-of-term assessment, Possibilities of and conditions for offered grades)

Based on an end-of-year written test, using a five-point grading scale.

40-45 points = excellent

36-39 points = good

31-35 points = satisfactory

27-30 points = pass

0-26 points = fail

Artificial intelligence systems used in the teaching of the subject and the manner of their application

AI does not replace medical literature, textbooks, lecture materials, or clinical practice. All AI-generated information must be evaluated with critical thinking.

Printed resources:

Required	No
Author	Howe
Title	The Extraction of Teeth
Publisher	Wright
Year of publication	1990

Required	No
Author	Steward et al
Title	An Outline of Oral Surgery
Publisher	Wright
Year of publication	1998

Required	No
Author	Peterson
Title	Oral and Maxillofacial Surgery
Publisher	Mosby
Year of publication	2003

Required	No
Author	Peterson

Title	Principles of Oral and Maxillofacial Surgery
Publisher	Decker
Year of publication	2004

Required	No
Author	Robinson, Howe
Title	Tooth Extraction. A practical guide
Publisher	Oxford
Year of publication	2000

Required	No
Author	Ward Booth, Hausamen, Schendel
Title	Maxillofacial Surgery
Publisher	C. Livingston Elsevier
Year of publication	2007

Required	No
Author	Carranza
Title	Clinical Periodontology
Publisher	Elsevier
Year of publication	2023

Required	No
Author	Howe. A
Title	Oral Surgery
Publisher	Wright
Year of publication	1987

Required	Yes
Author	Gera
Title	Parodontológia
Publisher	Semmelweis Kiadó
Year of publication	2025

Required	Yes
Author	Lindhe
Title	Clinical Periodontology and implant Dentistry
Publisher	Wiley Blackwell
Year of publication	2021

Required	Yes
Author	György Szabó
Title	Oral and Maxillofacial Surgery
Publisher	Semmelweis Kiadó
Year of publication	2001

Signature of habilitated instructor (course coordinator) announcing the course:

Signature of the director of the host institution:

Date of submission:
