

COURSE SYLLABUS

<p style="text-align: center;">Semmelweis University, Faculty of Dentistry, Doctor of Medicine in Dentistry Program</p>
<p>Name of the course in Hungarian: Parodontológia III In English¹: Periodontology III In German¹: Parodontologie III Credits: 3 (1L 2P S 0,5)</p> <p>Number of hours: 49, of which lectures: 14 , practicals: 28, seminars: 0,5 hours/week Course type: compulsory Semester in which the course is offered, according to the curriculum: 9. semester Frequency of announcement: yearly The educational research unit teaching the course: Department of Periodontology</p>
<p>Academic year: 2025/2026 autumn semester</p>
<p>Neptun code of the course: FOKOPDK387_3A</p>
<p>Course coordinator: Dr. Balint Molnar Position: Associate Professor Workplace, contact: H-1088 Szentkirályi street 47. 4. floor, + 36 1 318 5222</p>
<p>Course objectives and role within the Dental Curriculum: Periodontology is a basic, conceptual subject in the undergraduate curriculum of dental students, with a definite aim to teach modern, evidence based methods of periodontal diagnostics and treatments. Providing students with up-to-date knowledge of periodontics and related implant dentistry. During clinical practices students should carry out complex treatment on a few patients on a weekly basis under supervision. Students will be able to understand the anatomy and pathology of periodontal tissues, modern methods of diagnostics and the current protocol of treatment by non-surgical as well as surgical way, through two semesters of clinical practice. The acquired core knowledge will be essential for dentists in general dental setting</p>
<p>Location of instruction (lecture hall, seminar room, etc.): Arkövy Auditorium, practical Sugar Laszlo room</p>
<p>Competencies acquired upon successful completion of the course: Students will be able to diagnose the diseases of the gum and the attachment apparatus, diagnose the clinical manifestations of systemic diseases, provide oral prophylaxis, non-surgical periodontal pocket therapy and basic pocket surgery. Should be familiar with mucogingival and regenerative techniques and also perio-implantology and perio-prosthodontics .</p>
<p>Prerequisites and eligibility requirements for enrollment and completion, in the case of a multiple-semester course, is continuous enrollment (“course rollover”) allowed, and if so, under what conditions: Periodontology II</p>
<p>Enrollment requirements: minimum and maximum number of students, and selection criteria: The total number of registered students for the given semester</p>
<p>How to apply for the course: NEPTUN</p>

Detailed course/lecture description: (to facilitate credit recognition in other institutions)

1 hour/ week

- 1 Correlation between periodontology and orthodontics
- 2 Periodontal aspects of prosthetic rehabilitation
- 3 Morphology of periodontal defects. Indications of periodontal surgery
- 4 Periodontal surgery I. General introduction
- 5 Periodontal surgery II. Surgical correction of gingival enlargement
- 6 Periodontal surgery III. Periodontal resective/reparative surgery
- 7 Biology of periodontal tissue. Basics of regenerative techniques
- 8 Clinical application of periodontal regenerative techniques I.
- 9 Clinical application of periodontal regenerative techniques II.
- 10 Biological mediators in periodontal surgery
- 11 Treatments of furcation defects
- 12 Mucogingival surgery I.
- 13 Mucogingival surgery II. / Written exam
- 14 Alveolar ridge preservation techniques

Pensum at the practice

number of interventions

- Med/dental history (periodontal risk factors) 4
- Full periodontal assessment 4
- Self performed oral hygiene (iTOP) 4
- Non surgical perioTx (Scale&Polish) 8
- Non surgical perioTx (RootSurfaceDebridement) 8
- Elimination of overhangs 4
- Supportive Periodontal Treatment (+riskanalysis) 2
- Diagnostic and patient management of oralmucocutaneous lesion 4

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Seminars 30 min/weeks

- 1 The latest regenerative biological materials and techniques
- 2 Periodontal regenerative surgical techniques an minimal invasive flap operation
- 3 The classification of furcation lesions and their management
- 4 Gingival recession and their corrective surgery
- 5 The management of localised and generalised gingival enlargements
- 6 Crow lengthening surgery techniques in aesthetic dentistry
- 7 Alveolar preservation techniques
- 8 The perio-implant therapy of patients with periodontitis
- 9 The periimplant soft tissue management
- 10 The therapeutic possibilities of periimplant diseases
- 11 Periodontal-orthodontic interrelationship and their clinical considerations
- 12 Case presentation
- 13 Case presentation

Seminar pensum

Each week the main topic of the seminars is the discussion of the previous week's theoretical lectures, and certain important practical themes according to the above listed topics. Participation is mandatory, the maximum allowed absences on the seminars are 3. This is the principal requirement for the acceptance of the semester and the signature and the practical grade.

Related courses covering overlapping or interdisciplinary topics (including both compulsory and elective courses) with possible overlapping areas of the course curriculum: none

The application of artificial intelligence in teaching of the course: The use of artificial intelligence is not permitted during mid-term examinations, written examinations and oral examinations. The use of electronic devices that can access artificial intelligence is not permitted during examinations.

Lecturers may use artificial intelligence in editing lectures and compiling test questions, while students are also permitted to use artificial intelligence during the academic period in order to master the course material. However, the use of artificial intelligence is prohibited in any type of examination. Violation of the provisions is considered illegal behavior, plagiarism, and in order to investigate it, responsibility for plagiarism during the existence of the student relationship must be investigated in student disciplinary proceedings.

Specific academic requirements for successful course completion³: none

Attendance requirements and make-up policy: Completing the administration work for closing the previous semester and obtaining the pre-requisites Proper uniform matching the rules with a nameplate. Learning and understanding both the course description (requirements and rules of the subject) presented by the instructor of a given group and certified by each student's signature. Absence in accordance with the Study and Examination Policy of Semmelweis University Faculty of Dentistry with no possibility to substitute lectures.. Participation on lectures is certified by QR codes -. Absences are in accordance with The Study and Examination Policy of Semmelweis University Faculty of Dentistry. The maximum allowed absences on the practices is 1 out of four sessions. This is the principal requirement for the acceptance of the semester and the signature in addition to fulfill at least 70% of the given practical pensum. In case of total practical incompetence, or the practical output on the practices does not reach at least 70% of the required practical pensum or other behavioral problems the signature can be denied 1 (failed) after having been consulted with the department chairman. The maximum allowed absences on the practices are 1. This is the principal requirement for the acceptance of the semester and the signature. The failed written semifinal exam can be retaken as an oral exam during the examination period.

Methods of assessment during the study period⁴: : midterm tests and essay on the practices

Requirements for semester completion and signature: participation in lectures with absences

in accordance with The Study and Examination Policy of Semmelweis University Faculty of Dentistry. 'Satisfied' grade in the midterm test and midterm oral exam at the practice. Fulfilling the at least 70% of the given practical pensum . The maximum allowed absences on the phantom head practices is 1. The last week of the practice students requested to make a presentation. This will be scored as failed/ passed. A passing grade should be achieved to be eligible for the written semifinal exams. This is the principal requirement of the acceptance of the semester and the signature. In case on total practical incompetence, the practical output on the practices does not reach at least 70% of the required practical pensum or other behavioral problems the signature and the acceptance of the semester can be denied (failed) after having been consulted with the department chairman

Type of examination: signature and practical grade

Examination requirements⁵: Curricular matter of the lectures and practices of the whole semester questioned in 60 single choice test questions + slide diagnostics (20 slides). The passing grade is above 60%

Grading method and type⁶, the option for grade offer and its conditions:

Grading of courses¹: . Fulfilling the at least 70% of the given practical pensum . The maximum allowed absences is 3. This is the principal requirement of the acceptance of the semester and the signature. In case of total practical incompetence, if the practical output on the practices does not reach at least 70% of the required practical pensum or other behavioral problems after having been consulted with the department chairman the practical grade can be failure (1) On the 13th week lecture a mandatory test (15 single choice questions) should be completed. The results will be evaluated by the clinical practical instructor and this will be included into the final practical grade.

Examination registration procedure: NEPTUN

Rules for examination retake: The failed practical grade cannot be improved or corrected by oral exams. In case of failed practice the whole semester will be repeated the following academic year

Recommended printed, electronic, and online study materials, textbooks, and references (include URLs for online materials): Lindhe J. (et al) (ed): Clinical Periodontology and Implant Dentistry 6th ed (Blackwell 2016) <http://semmelweis.hu/parodontologia/en/>

Signature of course lecturer (course coordinator):

Signature of the head of coordinating department:

Date of submission:

Opinion of the Committee on Education and Credit Transfer:

Notes from the Dean's Office:

Signature of Dean:

- ¹ This section must be completed only if the course is offered in the given foreign language.
- ² Theoretical and practical instruction must be listed separately, broken down by hours (weeks) and numbered accordingly. Attachments are not permitted.
- ³ E.g., fieldwork, case report analysis, conducting a survey, etc.
- ⁴ E.g., homework, in-class presentations, midterm tests. Please specify topics and dates, as well as possibilities for make-up and retake.
- ⁵ For a theoretical exam, please include the list of exam topics, for a practical exam, specify the scope and format of the examination.
- ⁶ Description of how the theoretical and practical exams are weighted in the final grade. Description of midterm assessments contribute to the final grade.

¹ Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.