

## COURSE SYLLABUS

<p style="text-align: center;"><b>Semmelweis University, Faculty of Dentistry, Doctor of Medicine in Dentistry Program</b></p>
<p><b>Name of the course in Hungarian: Parodontológia II</b> <b>In English<sup>1</sup>: Periodontology II</b> <b>In German<sup>1</sup>: Parodontologie II</b> <b>Credits: 4 (1L 2P 1S)</b></p> <p><b>Number of hours: 56</b>, of which lectures: 14 , practicals: 28, seminars: 14 <b>Course type:</b> compulsory <b>Semester in which the course is offered, according to the curriculum:</b> 8. semester <b>Frequency of announcement:</b> yearly <b>The educational research unit teaching the course:</b> Department of Periodontology</p>
<p><b>Academic year: 2025/2026 spring semester</b></p>
<p><b>Neptun code of the course: FOKOPDK387_2A</b></p>
<p><b>Course coordinator: Dr. Balint Molnar</b> <b>Position: Associate Professor</b> <b>Workplace, contact: H-1088 Szentkirályi street 47. 4. floor, + 36 1 318 5222</b></p>
<p><b>Course objectives and role within the Dental Curriculum:</b> 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><b>Location of instruction (lecture hall, seminar room, etc.):</b> Arkövy Auditorium, practical Sugar Laszlo room</p>
<p><b>Competencies acquired upon successful completion of the course:</b> Students will be familiar with the macroscopic and microscopic anatomy of the attachment apparatus, the epidemiology etiology and patho-mechanism of periodontal disease, and the basic principles of mechanical plaque control</p>
<p><b>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:</b></p>
<p><b>Enrollment requirements: minimum and maximum number of students, and selection criteria:</b> The total number of registered students for the given semester</p>
<p><b>How to apply for the course:</b> NEPTUN</p>

**Detailed course content<sup>2</sup>:**

Treatment of acute periodontal diseases
The importance and steps of the periodontal cause related therapy
Cause related therapy. Professional mechanical plaque control
Elimination of plaque retentive factors
Splinting techniques in periodontology
Chemical plaque control and antibiotics
General aspects of classifications. The new of classification of periodontal diseases
Classification of periodontal diseases I. Gingival diseases
Classification of periodontal diseases II. Attachment apparatus
Non-plaque related periodontal conditions. Gingival recession
Differential diagnosis and therapy of endoperiodontal lesions
Periodontal disease as a focal disease. Periodontal medicine + cardiovascular disease
Reassessment of the initial phase. Periodontal maintenance
<b>Written TEST</b>

**Pensum at the practice**

	number
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 (Root Surface	8
Elimination of overhangs	4
Supportive Periodontal Treatment (+risk	2
Diagnostic and patient management of oral muco- cutaneous lesions	4

**Seminar 1x45 mint before the clinical practice**

1	The steps of the comprehensive periodontal therapy
2	Cause related periodontal therapy
3	Periodontal supportive therapy
4	The management of acute periodontal conditions
5	Medicines that influence the periodontal conditions and the outcome of the therapy
6	The use of antibiotics in periodontal practice
7	The indications and contraindications of periodontal surgery and the types of tissue healing
8	The types of incisions and sutures in periodontal surgery
9	The types of periodontal flap and grafts
1	Periodontal Pocket reduction surgeries

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1 1	The principle of regenerative periodontal therapy
1 2	Case presentations
1 3	Consultation
1 4	Demonstration

### **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. The score of the demonstration can add bonus points to the final scores of the written semifinal exam.

**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 completion<sup>3</sup>: 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 period<sup>4</sup>:** : 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 pensem . 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 pensem 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:** semifinal written

**Examination requirements<sup>5</sup>:** 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 type<sup>6</sup>, the option for grade offer and its conditions:**

**Grading of courses<sup>1</sup>:** Grade based on the result of 60 single correct answer test questions + slide diagnostics (20 slides) with a passing grade above 60% . The practice instructor can give 0-3 bonus points to the students based on their clinical skills and activity. That will complete and upgrade the number of the achieved correct answers . Maximum scores 80, failure limit 60% .

**Examination registration procedure:** NEPTUN

**Rules for examination retake:** The failed written semifinal exam should be retaken as an oral exam during the examination period. No preformed questions are provided, the actual questions are based on the slides presented on the written test.

**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:**

<sup>1</sup> This section must be completed only if the course is offered in the given foreign language.

<sup>2</sup> Theoretical and practical instruction must be listed separately, broken down by hours (weeks) and numbered accordingly. Attachments are not permitted.

<sup>3</sup> E.g., fieldwork, case report analysis, conducting a survey, etc.

<sup>4</sup> E.g., homework, in-class presentations, midterm tests. Please specify topics and dates, as well as possibilities for make-up and retake.

<sup>5</sup> For a theoretical exam, please include the list of exam topics, for a practical exam, specify the scope and format of the examination.

<sup>6</sup> Description of how the theoretical and practical exams are weighted in the final grade. Description of midterm assessments contribute to the final grade.

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<sup>i</sup> Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.