

COURSE SYLLABUS

Semmelweis University Faculty of Dentistry, Dentistry

Name of the course: Odontotechnology and Prosthodontics Pre-clinical III.

Credit value: 3

Lessons (in hours in the whole semester): 3 from this, lectures: 0 practicals: 3 x 45 min seminars: 0

Type of the course: compulsory

Semester in which it is announced according to the curriculum: autumn

Frequency of announcement (per semester or year): year

The responsible educational and research organizational unit for teaching the subject: Clinic for Prosthodontics

Academic year: 2025/2026 I. Semester

Subject (Neptun) code: FOKOFPK365_3A

Lecturer of the course:

Dr. Barbara Kispélyi, Associate Professor

Contact:

Semmelweis University Faculty of Dentistry Clinic for Prosthodontics

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Opening hours of the Secretariat:

Monday: 8:00 – 12:00

Tuesday: 8:00 – 12:00

Wednesday: 8:00 – 12:00

Thursday: 8:00 – 12:00

Friday: Closed

Students are welcomed only in the office hours. Please be aware of it!

The goals and place of the course in regards to the education of dental students:

Principal aim of this special education is to provide the students with a professional preclinical theoretical and manual exercise, used in the prosthodontics treatment procedures. It consists of the simulation of the clinical and technological stages on phantom heads.

Location of the course (address of lecture hall, seminar room etc.):

Monday, Wednesday: Dr. Földvári Imre Laboratory (1088 Budapest, Szentkirályi street 47. 2nd floor)

Competences acquired by completion of the course:

Understanding the labside and chairside steps of making partial removable dentures - at the propaedeutic level.

Pre-study requirements and prerequisites of course registration and completion, 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 :

Odontotechnology and Prosthodontics Pre-clinical II., Restorative Dentistry, Pre-clinical I., Molecular Cell Biology II.

Concurrent subject registration is not possible.

Number of students required for announcement of course (min., max.), method of selection:

In accordance with the number of 3rd year students.

Method of course registration:

Neptun system

Detailed course/lecture description¹: *(to facilitate credit recognition in other institutions)***Topics of the practices:**

1. **week: 1st week mindterm**, Removable partial dentures
2. **week:** Steps of constructing metal based removable partial dentures, Wax pattern fabrication for a mandibular metal base plate
3. **week:** Wax pattern fabrication for a maxillary metal base plate
4. **week:** Constructing complex dentures, presentation of the paralelometer
5. **week: MIDTERM**, Temporary situational impression, 13 tooth preparation for 90-degree shoulder
6. **week:** 13 tooth preparation, precision situational impression
7. **week:** 21 tooth preparation for porcelain veneer
8. **week:** Direct veneer fabrication on the prepared 21 tooth
9. **week:** Fabrication of temporary crown, Finishing of 13 the temporary crown
10. **week:** Implant retained dental prosthesis, Impression taking for an implant retained prosthesis (open special tray method)
11. **week: RETAKE**, 21 tooth preparation for PFM crown
12. **week: RETAKE**, Revision of dental laboratory processes
13. **week: RETAKE**, Revision of clinical processes
14. **week: Practical final examination**

Courses (*compulsory and obligatory elective*) which in part or entirely overlap the topics of above course:

General Dental Materials

Odontotechnology and Prosthodontics Preclinical Course I – II.

Prosthodontics I – V.

Clinical Dentistry I – II.

Gnathology

The application of artificial intelligence in teaching of the course:

The use of artificial intelligence is not allowed during the practices, demonstrations and exams. The use of artificial intelligence in the dental machine/devices used for patient care is allowed. Artificial intelligence may be used to assist students' preparation/learning.

Special academic work required for completion of the course²:

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Attendance on practices and lectures, replacement in case of missed sessions:

Attendance is **compulsory** at the practical sessions. In relation to the subject, the allowed number of absences is 25%. The amount of absences may not exceed 25%, even with sick notes.

Eventual sick notes are transferred to the issuing medical facilities for verification.

A student is considered **to be late from the practices** if he/she arrives **not more than 15 minutes** later than the time set by the timetable. These late arrivals are marked in the attendance sheet and if someone is late three times within a semester, that is considered to be an absence. However, if someone is **more than 15 minutes late** from the practice that is already registered as an **absence**.

The use of cell phones during the practices is forbidden. If the student uses his / her mobile phone despite the warning of his / her instructor, he / she will be not allowed to continue the practice and will have to leave the room immediately. This is considered as an absence, which is included in the number of absences allowed during the semester. During the practices, students can use tablets, notebooks, and small laptops to take notes.

Practical sessions may not be replaced.

Method of checking acquired knowledge during the study period³:

Compulsory written tests are carried out at least two-times in the semester, satisfactory grades can be given in case of a result of at least 50% or above.

Midterms will be held in the 5th. Retaking the midterm (or in case of no show, supplementing) is possible twice

during the semester. Openings for retaking will be given in the 11th, 12th and 13th weeks.

The notes for the midterms are graded as follows:

- 1: - 49%
- 2: 50% - 63%
- 3: 64% - 76%
- 4: 77% - 89%
- 5: 90% - 100%

In case of an unsatisfactory result there are two possible times for the replacement.

Practical work is also ranked at the end of the given working phase.

During practice sessions, any missed practical section marks can be made up after prior consultation/agreement, but they cannot be improved.

The practice leader prepares digital photodocumentation of the practical works.

The final mark is graded according to the average of the practical work and theoretical skills of the student. The averages of the midterms and of the practical work has to be at least 2,0.

In case of an unsatisfactory end final mark, the signature at the end of the semester will be refused.

Failed demonstration means, that a student receives an unsatisfactory evaluation for a demonstration (midterm exam) written in a particular topic despite the two retakes.

In case one of the practical grades is unsatisfactory after the replacement/correction, the signature at the end of the semester will be refused

The evaluation is graded as "failed" if the student did not participate in even one of the demonstrations and did not make up for it in the substitute opportunities, or if the student's absence from the exercises exceeds the permitted 25%.

Requirements of an accepted semester (*signature of the lecturer*):

No more than 25% of the practices are allowed to be missed for any reason otherwise the semester will not be accepted. According to the Study and Exam Regulation the exam may not be taken if the student fails to obtain such a signature.

In case of an unsatisfactory final mark, the signature at the end of the semester will be refused.

In case one of the practical grades is unsatisfactory after the replacement/correction, the signature at the end of the semester will be refused

Type of the exam:

Oral final exam, with three topics; and Hungarian Language Exam

Practical final exam in the 14th week of the semester

The use of artificial intelligence is not allowed during the exam.

Requirements of the exam³:

Oral final exam, with three topics; and Hungarian Language Exam

Practical final exam in the 14th week of the semester

Students whose average scores in the Voovo application (average of Voovo performance over several semesters) are within the top 5 percentage of their class, get the score of 5 (excellent) for one item they have chosen from the drawn ones during the final exam.

In case of unsatisfactory mark of any part of the exam, the student has to take the whole exam again.

The use of artificial intelligence is not allowed during the exam.

Grading of courses⁴. The possibility and requirements of an offered grade:

The final mark is graded according to the average of the practical and theoretical skills of the student. The averages of the midterms and of the practical work has to be at least 2,0.

No offered grade.

Exam registration:

Neptun system, according to the Semmelweis University Study and Examination Regulations

Rules of repeating exams:

Neptun system, according to the Semmelweis University Study and Examination Regulations

List of textbooks, lecture notes and recommended textbooks, online material:**Textbooks:**

McCracken's Removable Partial Prosthodontics (10/e) Glen P. McGivney-Alan B. Carr. Hardback Mosby, 1999.
M. Fradeani, G. Barducci: Esthetic Rehabilitation in Fixed Prosthodontics (Prosthetic Treatment. A systemic approach to esthetic, biologic and functional integration) (Quintessence Books 2008.)

Herbert T. Shillingburg: Fundamentals of Fixed Prosthodontics (Quintessence 4th ed. 1997.)

R. M. Basker, J. C. Davenport, J.: Prosthetic Treatment of the Edentulous Patient 5th (McMillan Press Ltd.)

Lecture notes:**Recommended textbooks:**

Gnatológia Szerk.: Hermann Péter, Szentpétery András (Semmelweis Kiadó, 2018)

Fogpótlás I-II. Szerk.: Hermann Péter és Kispélyi Barbara (Semmelweis Kiadó, 2022)

Other study aids:

Moodle

On the website of the Semmelweis University: <https://semmelweis.hu/fogpotlastan/en/angol/>

Topic of the practices and seminars

Signature of course lecturer:

Signature of head of department:

Date of submission: September 8, 2025

Opinion of OKB:

Notes from the Dean's Office:

Signature of Dean:

¹ Detailed and numbered for each week of theoretical and practical lessons one by one. In an annex, cannot be attached appendix!

² Eg. homework, report, midterm exam etc. Topics, dates, method of retake and replacement

³ List of topics in case of theoretical exam, thematic and method in case of practical exam

⁴ Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.