

COURSE SYLLABUS

Semmelweis University Faculty of Dentistry, Dentistry

Name of the course: Prosthodontics III.

Credit value: 4

Lessons (in hours in the whole semester): 5 from this, lectures: 0 practicals: 4 x 45 min

seminars: 1 x 45 min

Type of the course: compulsory

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

Frequency of announcement (per semester or year): year

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

Academic year: 2025/2026 II. semester

Subject (Neptun) code: FOKOFPK366_3A

Lecturer of the course:

Semmelweis University Faculty of Dentistry Department of Prosthodontics
Prof. Dr. Peter HERMANN, Professor, Head of Department of Prosthodontics

Contact:

hermann.peter@dent.semmelweis-univ.hu

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:

The dental students will make fixed partial restorations during the practises under the supervision of a dental specialist. Patients will be provided - from the appointment list - by the Department of Prosthodontics. During the practices the theoretical and practical knowledge of the dental students will be strictly monitored. The students get familiar with the Fábíán and Fejérdy classification of edentulousness, applying it at the practices.

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

Seminar: Dr. Árkövy József lecture hall (1088 Budapest, Szentkirályi street 47. groundfloor) and Dr. Balogh Károly classroom (1088 Budapest, Szentkirályi street 47. 1st floor)

Practice: **Tuesday:** Room 211, 213 and 214 (1088 Budapest, Szentkirályi street 47. 2nd floor) **Wednesday:** Room 211 (1088 Budapest, Szentkirályi street 47. 2nd floor)

Competences acquired by completion of the course:

Acquisition of theoretical and practical knowledge for the preparation of fix retained restorations for patients with the class 1B (Fábíán and Fejérdy classification).

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 :

Restorative Dentistry and Endodontics II., Prosthodontics II., General and Dental Radiology I.

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 4 th year students.
Method of course registration: Neptun system
Detailed course/lecture description¹: <i>(to facilitate credit recognition in other institutions)</i> The theme of the seminars: <ol style="list-style-type: none"> 1. Introduction to the subject, introductory seminar 2. Online moodle learning module: Treatment planning guidelines – Fábián and Fejérdy classification (modifying factors of the treatment plan) 3. Seminar material which requires personal attendance: Treatment planning guidelines – Fábián and Fejérdy classification (modifying factors of the treatment plan) 4. Online moodle learning module: Implant prosthetics I.: temporary dentures and fixed dentures 5. Seminar material which requires personal attendance: Implant prosthetics I.: temporary dentures and fixed dentures 6. Online moodle learning module: Implant prosthetics II.: hybrid prostheses and impression taking 7. Seminar material which requires personal attendance: Implant prosthetics II.: hybrid prostheses and impression taking 8. Online moodle learning module: Digital dentistry I.: impression taking 9. Seminar material which requires personal attendance: Digital dentistry I.: impression taking 10. Online moodle learning module: Digital dentistry II.: digital workflows 11. Seminar material which requires personal attendance: Digital dentistry II.: digital workflows 12. Online moodle learning module: Gnathological guidelines of the full mouth rehabilitation, rehabilitation of occlusal problems, bite elevation, splints 13. Seminar material which requires personal attendance: Gnathological guidelines of the full mouth rehabilitation, rehabilitation of occlusal problems, bite elevation, splints 14. Consultation
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 – III. Prosthodontics I, II, IV, V Clinical Dentistry I – II. Gnathology
The application of artificial intelligence in teaching of the course: <p>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.</p>
Special academic work required for completion of the course²: -
Attendance on practices and lectures, replacement in case of missed sessions: Attendance at seminars requiring personal attendance and the weekly practices is compulsory. Absences from any title, even with a doctor's certificate, cannot exceed 25% of the number of seminars requiring personal attendance/ weekly practices. No more than a 25% of the practices are allowed to be missed for any reason – not even with a doctor's note – otherwise the semester will not be accepted. Doctor's notes can only be accepted after an individual evaluation. The medical notes will be sent back to the supervisory section of the issuing medical institutions for verification. If there are 6 seminars requiring personal attendance per semester, the maximum number of absences from seminars requiring personal attendance is 1. If there are 7 or 8 seminars requiring personal attendance per semester, the maximum number of absences from seminars requiring personal attendance is 2. A student is considered to be late from the practices if he/she arrives no 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, it will be considered an absence. However, if someone is more than 15 minutes late from the practice, it will be already registered as an absence, but the student will be allowed to attend the practice.

The use of cell phones during the practices is forbidden. (Unless the patient is photographed.) 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 (maximum 3). During the practices, students can use tablets, notebooks, and small laptops to take notes.

Handling the photo documentation, patient rights and data protection rules must be strictly adhered to. Photo documentation can only be used for the case reports on the final exam.

There is no possibility to replace the seminars and the practices.

Students must arrive for the seminars on time, otherwise they will disturb the lecturer and the audience. No extra seminars will be provided for missed sessions.

Method of checking acquired knowledge during the study period³:

6 topics per semester are covered in the seminars. The seminars are taught in a blended learning format. 50% of the seminars are online, in weakly rotation, the other 50% is in the form of small group (max. 25-30 participants) classroom training requiring personal attendance.

The online learning module always precedes the personal seminar within the same subject area.

The teaching material corresponding to the topics of the seminars is available online in moodle platform.

The course material is assessed and checked during the six two-week seminar blocks using a mobile phone application (Voovo). During each block, groups of questions are opened 3–5 times, each time containing 8–15 questions. These questions may reappear throughout the block; incorrectly answered questions are repeated more frequently by the app. Once a question is answered correctly, the previous incorrect attempt will not reduce the final consistency score.

However, the Voovo application also contains a “**Knowledge Score**”, which measures the proportion of correct versus incorrect answers. If this score drops below a critical threshold, students will not be eligible to receive the highest marks—even if their consistency score remains high. As a result, each grade level is defined not only by consistency, but also by a minimum required level of knowledge.

The application sends a push notification to the user’s device whenever a new question group becomes available. Until the questions are answered, students also receive daily reminder notifications. Once the two-week block expires, **it is no longer possible to answer the questions.**

Scoring and Conversion Formula

Student performance is measured through an average percentage result recorded in the Voovo app (**Consistency Score**). This semester average is converted into a partial seminar grade using the following formula:

Grade	Consistency Score	Minimum Knowledge Score
1	0% – 49%	min. 0%
2	50% – 63%	min. 40%
3	64% – 76%	min. 50%
4	77% – 89%	min. 60%
5	90% – 100%	min. 65%

The partial seminar grade (based on Voovo results) accounts for **50% of the total practical grade**, alongside the partial grade earned during the practice sessions.

Impact on Final Examination

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.

A partial seminar grade is unsatisfactory if the student's average is below a 2.0.

The grade is "failing" if the student's absence from seminars exceeds the permitted 25 %.

Practice grade:

Compulsory written tests are carried out one-time in the semester. Written test will be held in the 1st week. Replacement/correction of the written test would be passed in the 2nd, 3rd and 4th weeks. Satisfactory grades can be given in case of a result of at least 50% or above.

Partial practical grade is considered unsatisfactory if the average of the test grades are not over a 2,0 average. Failed written test means, that a student receives an unsatisfactory evaluation for a written test written in a particular topic despite the two retakes.

Grading of the tests:

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

At the end of the semester, the student will receive a partial practical grade for his/her written (final paper) or oral report, from the course material or from the practical work phases. Students get the partial practical grade from the valuation of their theoretical and practical work, such as behavior and attitude during the practices.(1-5 grades)

At the end of the semester, the student will receive a practical mark.

The practical mark is the average of the partial seminar grades and the partial practical grades.

Practical mark is considered unsatisfactory if the average of the test grades are not over a 2,0 average.

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

Failed written test means, that a student receives an unsatisfactory evaluation for a written test written in a particular topic despite the two retakes.

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

From the first semester, apart from the treatment documents, students have to make photo documentation as well. On the final exam of the 10th semester one case has to be presented. The presentation should follow the protocol of the clinic. The material and personal conditions are provided by the clinic.

Students are required to take photographs of each case during patient treatments, to keep the photographs and create a ppt by the end of the semester, then upload only the ppt file to the patient file in Flexi.

As case report during the final exam, students may only present their own cases. The same case may not be presented by more than one student.

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

At the end of the semester, the student will receive a practical mark.

The practical mark is the average of the partial seminar grades and the partial practical grades.

Practical mark is considered unsatisfactory if the average of the test grades are not over a 2,0 average.

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

Attendance at seminars requiring personal attendance and attendance at practices is compulsory. No more than 25%-25% of the practices and the seminars requiring personal attendance are allowed to be missed for any reason – not even with a doctor's note – otherwise the semester will not be accepted.

If there are 6 seminars requiring personal attendance per semester, the maximum number of absences from

<p>seminars requiring personal attendance is 1. If there are 7 or 8 seminars requiring personal attendance per semester, the maximum number of absences from seminars requiring personal attendance is 2. In case of absence is above this number, the semester will not be signed by the faculty</p>
<p>Type of the exam: No exam</p>
<p>Requirements of the exam³: No exam</p>
<p>Grading of courses⁴. The possibility and requirements of an offered grade: Practical mark: The average of the partial practical grade and the partial seminar grade. The student will receive a practical grade for his/her written (final paper) or oral report, from the course material or from the practical work phases. Students get the partial practical grade from the valuation of their theoretical and practical work, such as behavior and attitude during the practices.(1-5 grades) In seminars requiring personal attendance, student performance is assessed in the form of an average percentage. The practical mark is unsatisfactory if the student does not achieve a 2.0 average. In case of an unsatisfactory practical mark, the signature at the end of the semester will be refused.</p> <p>No offered grade.</p>
<p>Exam registration: No exam</p>
<p>Rules of repeating exams: No exam</p>
<p>List of textbooks, lecture notes and recommended textbooks, online material: <u>Textbooks:</u> Stefan Wolfart: Implant Prosthodontics, A Patient-Oriented Strategy, Quintessence Publishing, 1st ed.2016. Cortellini S, Favril C, De Nutte M, Teughels W, Quirynen M. Patient compliance as a risk factor for the outcome of implant treatment. Periodontol 2000. 2019 Oct;81(1):209-225. doi: 10.1111/prd.12293. PMID: 31407429. Heitz-Mayfield LJA, Heitz F, Lang NP. Implant Disease Risk Assessment IDRA-a tool for preventing peri-implant disease. Clin Oral Implants Res. 2020 Apr;31(4):397-403. doi: 10.1111/clr.13585. Epub 2020 Feb 20. PMID: 32003037. McCracken's Removable Partial Prosthodontics (10/e) Glen P.McGivney-Alan B.Carr. Hardback Mosby, 1999. ISBN 0323006787 Schillenburg et al.: Fundamentals of Fixed Prosthodontics. Quintessence 4th ed. 1997. R.M.Basker-J.C.Davenport: Prosthetic Treatment of the Edentulous Patient. 5th ed. McMillan Press Ltd. <u>Lecture notes</u> <u>Recommended textbooks:</u> 1, Neil-Nairne: Complete Denture Prosthetics. Wright. ISBN 72 36 20 636 2, Neil-Walter: Partial Dentures. ISBN 06 32 08 025 8 3, Hermann Péter, Szentpétery András: Gnatológia (Semmelweis Kiadó, 2018) 4, Fogpótlástan I-II. Szerk.: Hermann Péter és Kispélyi Barbara (Semmelweis Kiadó, 2022) <u>Other study aids:</u> Moodle Website of the Department of Prosthodontics: https://semmelweis.hu/fogpotlastan/en/angol/ Seminar and practical content</p>
<p>Signature of course lecturer:</p>
<p>Signature of head of department:</p>
<p>Date of submission: February 2, 2026</p>
<p>Opinion of OKB:</p>



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.