

COURSE SYLLABUS

Semmelweis University Faculty of Dentistry, Dentistry

Name of the course: Prosthodontics II.

Credit value: 6

Lessons (in hours in the whole semester): 7 from this, lectures: 0 practicals: 6 x 45 min

seminars: 1 x 45 min

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: Department of Prosthodontics

Academic year: 2025/2026 I. Semester

Subject (Neptun) code: FOKOFPK366_2A

Lecturer of the course:

Prof. Dr. Peter HERMANN, Professor, Head of Department of Prosthodontics

Contact:

Semmelweis University Faculty of Dentistry Department of Prosthodontics

hermann.peter@semmelweis.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 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.

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

Seminars: Dr. Árkövy József lecture hall (1088 Budapest, Szentkirályi street 47. groundfloor) and Dr. Varga István classroom (1088 Budapest, Szentkirályi street 47. 1st floor)

Practice: **Tuesday:** Room 211, 213 and 214 (1088. Budapest, Szentkirályi street 47. 2nd floor) **Thursday:** Room 211, 213 and 214 (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 1A 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 I., Prosthodontics I., Radiation protection

| |
|---|
| 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: General informations about making of fixed and removable dentures I: photodocumentation, tooth shade determination, magnification, isolation, smile design 3. Seminar material which requires personal attendance: General informations about making of fixed and removable dentures I: photodocumentation, tooth shade determination, magnification, isolation, smile design 4. Online moodle learning module: General informations about making of fixed and removable dentures II.: impression taking, luting 5. Seminar material which requires personal attendance: General informations about making of fixed and removable dentures II.: impression taking, luting 6. Online moodle learning module: Types of fixed dentures (veneers, post and cores, crowns, bridges, minimally invasive dentures) and tooth preparation 7. Seminar material which requires personal attendance: Types of fixed dentures (veneers, post and cores, crowns, bridges, minimally invasive dentures) and tooth preparation. 8. Online moodle learning module: Removeable partial dentures I.: definitions; parts, types and tasks of parts. 9. Seminar material which requires personal attendance: Removeable partial dentures I.: definitions; parts, types and tasks of parts 10. Online moodle learning module: Removeable partial dentures II.: support and retention 11. Seminar material which requires personal attendance: Removeable partial dentures II.: support and retention 12. Online moodle learning module: Clinical and laboratory steps of dental restorations; temporary dentures and repair of dentures 13. Seminar material which requires personal attendance: Clinical and laboratory steps of dental restorations; temporary dentures and repair of dentures 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, III, IV, 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: - |
| 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. 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 seminars requiring personal attendance per semester, the maximum number of absences from seminars requiring personal attendance is 2. 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. 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:

Seminars:

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% |

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 kollokvium.

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.

Failed written test means, that a student receives an unsatisfactory evaluation for a written tests 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%

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

The final mark is the average of the partial seminar grade and the partial practical grade.

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

In case of an unsatisfactory final mark, 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 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):

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 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, which means - according to the current Study and Examination Regulation (TVSZ) - that the student can not apply for the exam.

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

Type of the exam:

Examination (semi-final)

Failure to pass any part of the examination will result in an unsatisfactory mark.

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

Requirements of the exam³:

Regarding the topic list on the clinic's website and moodle.

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

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

Final mark: The average of the partial practical grade and the partial seminar grade.

The final mark is unsatisfactory if the student does not achieve a 2.0 average.

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

In seminars that require personal participation, student achievement is evaluated in the form of an average percentage. The percentage average value achieved during the semester is the basis for the partial seminar grade (1-5 grades).

The student will receive partial practical grades for his/her written (final paper) or oral report, from the course material or from the practical work phases. Students get the final mark 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.

Examination (semi-final): oral examination

The examination (semi-final) is graded on a scale of 1-5. Oral semi-final examination based on theoretical questions.

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 kollokvium.

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:**

- 1, Stefan Wolfart: Implant Prosthodontics, A Patient-Oriented Strategy, Quintessence Publishing, 1st ed.2016.
- 2, 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.
- 3, 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.
- 4, M. Fradeani, G. Barducci: Esthetic Rehabilitation in Fixed Prosthodontics (Prosthetic Treatment. A systemic approach to esthetic, biologic and functional integration) (Quintessence Books 2008.)
- 5, McCracken's Removable Partial Prosthodontics (10/e) Glen P.McGivney-Alan B.Carr. Hardback Mosby, 1999.
- 6, Schillenburg et al.: Fundamentals of Fixed Prosthodontics. Quintessence 4th ed. 1997.
- 7, R.M.Basker-J.C.Davenport: Prosthetic Treatment of the Edentulous Patient. 5th ed. McMillan Press Ltd.

Lecture notes**Recommended textbooks:**


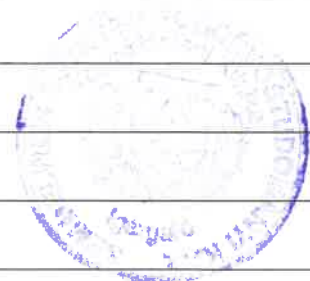
- 1, Neil-Nairne: Complete Denture Prosthetics. Wright.
- 2, Neil-Walter: Partial Dentures.
- 3, Gnatológia Szerk.: Hermann Péter, Szentpétery András (Semmelweis Kiadó, 2018)
- 4, Fogpótlástan I-II. Szerk.: Hermann Péter és Kispélyi Barbara (Semmelweis Kiadó, 2022)

Other study aids:

Moodle

Website of the Department of Prosthodontics

Seminar and practical content

| | | |
|--|--|---|
| Signature of course lecturer: |  |  |
| Signature of head of department: | | |
| Date of submission: September 1. 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.