

Semmelweis University, Faculty of Dentistry - undivided, one-tier training in dentistry

Name of the host institution (and any contributing institution):

Fogpótlástani Klinika

Name of subject in Hungarian: Odontotechnológia és Fogpótlástani Propedeutika I.

Name of subject in English: Odontotechnology and Prosthodontics Pre-clinical I.

Name of subject in German: Odontotechnologie und Prothetische Propädeutik I

Credit value of the course: 4

Semester: 3rd semester

(in which the subject is taught according to the curriculum)

Weekly hours	Lecture	Practice	Seminar
3.0	0.0	2.0	1.0

Semester hours	Lecture	Practice	Seminar
42.0	0.0	28.0	14.0

Type of course:

obligatory

Academic year:

2026/27

Language of instruction (for optional and elective subjects):

Angol

Course code:

FOKOFPK365_1A

(in the case of a new course, to be completed by the Dean's Office, following approval)

Course coordinator name: Dr. Kispélyi Barbara

Course coordinator location of work, telephone availability: Department of Prosthodontics,
+361338-4380

Course coordinator position: associate professor, vice-director

Course coordinator Date and number of habilitation: In process

Objectives of the course, and its place in the curriculum of the medical training program:

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.

Format of the course (lectures, group work, practical lessons, etc.):

Lessons (in hours in the whole semester): 3/week **from this, lectures:** 0/week **practicals:** 2 x 45 min/week

seminars: 1 x 45 min/week

Competencies acquired through completion of course:

Understanding the labside and chairside steps of making a complete denture - at the propaedeutic level.

Course outcome (names and NEPTUN ID of related subjects):

FOKOKFK355_1A, FOKOFFPK365_2A

Prerequisites for course registration and completion: (NEPTUN ID):

General Dental Materials, Macroscopic anatomy and embryology II.

In the case of multi-semester courses, position on the possibility of and conditions for concurrent registration:

Concurrent subject registration is not possible.

The number of students required to start the course (minimum, maximum), method of selecting participants:

In accordance with the number of 2nd year students.

Detailed course syllabus (if the course can be divided into modules, please indicate): (Theoretical and practical instruction must be broken down into hours (weeks), numbered separately; names of instructors and lecturers must be listed, indicating guest lecturers/instructors. It cannot be attached separately! For guest lecturers, attachment of CV is required in all cases!)

Topics of the seminars:

1. Introduction to the subject, introductory seminar
2. Online moodle learning module: primary impression, primary cast, special tray
3. Seminar material which requires personal attendance: primary impression, primary cast, special tray
4. Online moodle learning module: secondary impression, occlusal rim

5. Seminar material which requires personal attendance: secondary impression, occlusal rim
6. Online moodle learning module: Gnatology considerations in the fabrication of a complete denture (adjusting occlusal rims (Christensen phenomenon) , determination of CR, articulators, face bow
7. Seminar material which requires personal attendance: Gnatology considerations in the fabrication of a complete denture (adjusting occlusal rims (Christensen phenomenon) , determination of CR, articulators, face bow
8. Online moodle learning module: trial denture, try-in of the trial denture, processing, recall
9. Seminar material which requires personal attendance: trial denture, try-in of the trial denture, processing, recall
10. Online moodle learning module: Partial dentures I.: types, parts and functions of the parts, devices of support and retention
11. Seminar material which requires personal attendance: Partial dentures I.: types, parts and functions of the parts, devices of support and retention
12. Online moodle learning module: Partial dentures II.: complete workflow of partial dentures (clinical and laboratory aspect)
13. Seminar material which requires personal attendance: Partial dentures II.: complete workflow of partial dentures (clinical and laboratory aspect)
14. Consultation

Topics of the Practices:

1. **week: 1st week midterm**, Introduction, Instrument delivery
2. **week:** Primary impression taking for Maxillary complete dentures
3. **week:** Primary impression taking for Mandibular complete dentures
4. **week:** Outlining the borders of the special tray, Fabrication of mandibular light-curing acrylic special tray
5. **week:** Fabrication of mandibular light-curing acrylic special tray
6. **week:** Fabrication of maxillary occlusal rim, Moodle online tutorial for special tray design, CAD planning - special tray
7. **week:** Determination of centric occlusion I., Fabrication of maxillary occlusal rim, CAD planning - special tray
8. **week:** Determination of centric occlusion II., CAD planning - special tray, deadline of mandatory homework
9. **week:** Upper and lower trial denture fabrication I., setting up 21, 31
10. **week:** Upper and lower trial denture fabrication II., setting up 22, 23
11. **week:** Upper and lower trial denture fabrication III., setting up all the front teeth
12. **week:** Upper and lower trial denture fabrication IV., setting up praemolar teeth
13. **week:** Upper and lower trial denture fabrication V., setting up molar teeth Processing

dentures, Insertion, Digital workflow and 3D printing in complete denture fabrication
14. **week:** Consultation

Other courses with overlapping topics (obligatory, optional, or elective courses) in interdisciplinary areas. To minimize overlaps, topics should be coordinated. NEPTUN ID(s) of courses (to be provided):

FOKOFPK431_1A, FOKOFPK364_1A, FOKOFPK365_2A, FOKOFPK365_3A, FOKOFPK366_1A, FOKOFPK366_2A, FOKOFPK366_3A, FOKOFPK366_4A, FOKOFPK366_5A, FOKOKFK313_1A, FOKOFPK312_2A

Requirements for attendance, options for making up missed sessions, and method of absence justification:

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. During the practices, students can use tablets, notebooks, and small laptops to take notes.

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.

Assessment methods during semester (number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks):

(number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks)

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 weekly 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
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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.

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.

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

Failed demonstration means, that a student receives an unsatisfactory evaluation for a demonstration 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%

The clinical and laboratory work phases are graded separately.

In practicals, practical component marks may be replaced but not corrected.

The teacher will take digital photo documentation of the practical work phases.

At the end of the semester, the student will receive a partial practical mark, based on the average of the marks for each phase and the result of the final examination. The practical mark is the average of the partial seminar grades and the partial practical grades.

The practical mark is unsatisfactory if the average of these components does not reach an average of 2.0.

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

A grade of "fail" is given if the student has not taken the final examination and has not made up the examination at the make-up opportunities, or if the student's absence from seminars/practicals exceeds the permitted 25%.

Number and type of individual assignments to be completed, submission deadlines:

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Requirements for the successful completion of the course:

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.

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

Type of assessment:

term grade

Exam requirements (list of topics, topics of the test exam, and the optional project topics accepted as an exam)

No exam

Clear, specific minimum requirements for assessment. (The list of mandatory concepts, parameters, diagrams, calculations, and practical skills required to obtain a passing grade, as well as the criteria for the completion and evaluation of project assignments accepted as an exam.) A link published on the department's website referring to the minimum requirements of the course.

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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.

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.

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

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

Grading of the tests:

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The clinical and laboratory work phases are graded separately.

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The teacher will take digital photo documentation of the practical work phases.

At the end of the semester, the student will receive a partial practical mark, based on the average of the marks for each phase and the result of the final examination. The practical mark is the average of the partial seminar grades and the partial practical grades.

The practical mark is unsatisfactory if the average of these components does not reach an average of 2.0.

In case of an unsatisfactory practical mark, the signature at the end of the semester will be refused. A grade of "fail" is given if the student has not taken the final examination and has not made up the examination at the make-up opportunities, or if the student's absence from seminars/practicals exceeds the permitted 25%.

If a student is repeatedly unprepared for the practical or theoretical work, or his/her practical work is not satisfactory, he/she will get an "unsatisfactory" grade and will fail the class for that semester. The minimal practical „pensum“ will be announced on the first practice by the supervisor. Unprepared students may participate in the practice but **will not be allowed to treat.**

Method and type of grading (Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results in the end-of-term assessment. Possibilities of and conditions for offered grades.): (Share of theoretical and practical examinations in the overall evaluation, Inclusion of the results in the end-of-term assessment, Possibilities of

and conditions for offered grades)

Practical mark: The average of the partial practical grades and the partial seminar grades.

The practical mark is unsatisfactory if the average of the component grades is less than 2.0.

In case of an unsatisfactory practical 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 partial practical grade is based on the grades for each stage of the work and the average of the result of the final examination paper (marks 1-5).

No offered grade.

No exam

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No offered grade.

Artificial intelligence systems used in the teaching of the subject and the manner of their application

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.

Printed resources:

Type	Mandatory
Author	R. M. Basker,J. C. Davenport,J
Title	Prosthetic Treatment of the Edentulous Patient
Publisher	MCMillan Press ltd
Year of publication	

Type	Recommended
Author	Dr. Hermann Péter, Dr. Szentpétery András
Title	Gnatológia
Publisher	Semmelweis Kiadó
Year of publication	2018

Type	Recommended
Author	Dr. Hermann Péter és Dr. Kispélyi Barbara
Title	Fogpótlástan I-II.
Publisher	Semmelweis Kiadó
Year of publication	2022

Signature of habilitated instructor (course coordinator) announcing the course:

Signature of the director of the host institution:

Date of submission:
