

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: Odontotechnology and Prosthodontics Pre-clinical III.

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

Name of subject in German: Odontotechnology and Prosthodontics Pre-clinical III.

Credit value of the course: 3

Semester: 5th semester

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

Weekly hours	Lecture	Practice	Seminar
3.0	0.0	3.0	0.0

Semester hours	Lecture	Practice	Seminar
42.0	0.0	42.0	0.0

Type of course:

obligatory

Academic year:

2026/27

Language of instruction (for optional and elective subjects):

Angol

Course code:

FOKOFPK365_3A

(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, 338-4380

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 from this, lectures: 0 practicals: 3 x 45 min seminars: 0

Competencies acquired through completion of course:

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

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

FOKOFFPK366_1A, FOKOKFK357_1A

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

Restorative Dentistry, Pre-clinical I., Odontotechnology and Prosthodontics Pre-clinical II., Molecular Cell Biology 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 3rd 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!)

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**

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_1A, FOKOFPK365_2A

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

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.

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)

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%.

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

The module "Designing a custom tray", which is part of the semester topic of the course "Odontotechnology and Prosthodontics", has been added to the Moodle for the 6th week. In the folder " **MeditDesign - CAD custom tray for homework** " you can find the files and the tutorial video to complete it.

You can sign up for Medit Link with a valid email address and a password of your choice at the following link: <https://www.meditlink.com/register>

Then download the desktop version of Medit Link and log in using the login details you provided during registration.

After installing the MeditLink application, which you learned about in the previous semester, you can install the MeditDesign software from the "App Box", which was also demonstrated earlier. After installing them, the video will guide you through the process step by step.

Designing is a mandatory homework. The grade received for the assignment is part of the practical grade at the end of the semester.

Deadline for its preparation: end of the 8th week

Send the completed plans to the e-mail address of your internship supervisors by the above deadline. The contact details of the practice leaders can be found on the Moodle interface.

In the case of uncompleted homework, we cannot close the student's practical semester!

Requirements for the successful completion of the course:

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 assessment:

comprehensive examination

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

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

Practical final exam in the 14th week of the semester

Practical exam: At the last practice each student must present a given chairside or labside step

from the learning material of the course Odonotechnology and Prosthodontic Preclinical Course I., II., III.

The note of the Practical final exam is the average of the practical exam note and the final note for the Odontotechnology and Prostodontic preclinical course III.

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

If the student fails to succeed on the Practical examination, he or she may not take the final exam, and by failing consumes an exam opportunity. The note given at the practical exam can be corrected, a fee has to be paid in order to retake the exam. The retake session takes place on the first Thursday of the exam period, at 8:00.

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.

Exam questions:

General dental knowledge and dental materials 1. Zinc-oxide-eugenol impression paste. Duplicating materials. 2. Shaping of metals. The mouth-tolerance of metals. Chemical and electrochemical corrosion. 3. Structure of metals. Melting, crystallization, and alloying. 4. Metals used in dentistry. Precious metals. 5. Dental acrylates. Pouring acrylates, acrylates processed by injection moulding. Acrylate false teeth. 6. Dental cements. 7. The dental gypsum. Types of dental gypsum. 8. Types of dental ceramics. Silicate ceramics. 9. The principles of processing dental polymers. 10. Types of prosthetic appliances. 11. Impression trays. 12. Types of impressions, classification. 13. Anatomy of the permanent teeth, occlusal morphology. 14. Basic definitions of plastic chemistry. Properties of dental acrylates. 15. Not precious metals. Dental alloys. 16. The stainless dental steel. Methods of producing metal prostheses. 17. Elastomeric impression materials. Alginates and agar-agar based hydrocolloidal impression materials. 18. Silicone, Polysulfide, and polyether impression materials. 19. Acrylate as crown and bridge material. Acrylate polymerized on heat or on heat and pressurization without investing. 20. Mandibular positions, movements, plains. 21. Articulators, face-bows. Mounting casts. 22. Gold, platinum, and the platinum group of metals. Silver. 23. The silver alloys, silver-palladium alloys. 24. Investment materials. The technique of expansive investing. 25. Types of dental ceramics. Oxide ceramics. 26. Fabricating specially accurate casts, casting plastics and super hard gypsum. The metal coating. 27. Dental waxes. Impression compound, oroplastic impression materials.

Partial dentures 1. Uniting the parts of metal prostheses. Heat treatment of metals. 2. Precision attachments. 3. Definition of dowel-core restorations, types, indication, conditions of construction. 4. Component parts of bridges, roles of the parts, principles of the pontic design. 5. Principles of designing the retainers, pontic and the occlusal surface during wax pattern fabrication of bridges. 6. Principles of crown preparation. 7. Steps of crown preparation for full veneer crowns and bridges. 8. Concept of retention and support of removable partial dentures, devices. 9. Laboratory steps of the metal based removable partial dentures construction. 10. Designing removable partial denture. Purpose, steps, principles. 11. Parts of fixed bridges, function of the parts. Technologies of bridge

constructions. 12. Construction of acrylic crowns and bridges, technologies, evaluation. 13. Gold alloys. Platinum-gold alloys, metal-ceramic gold alloys. Gold-silver-palladium alloys. 14. Investing, metal casting, finishing, and polishing of the casts. 15. Metal-ceramic restorations. Material of the metal base, basic rules of the construction. Technology of the ceramic covering material. 16. Technologies of the full ceramic restoration constructions. 17. Tooth shade selection (shade guides, digital devices). 18. Metal alloys for PFM (porcelain-fused-to-metal) and RPD (removable partial denture) appliances. 19. Clinical steps of dowel-core restoration construction. Preparation, impression, protection of the prepared root, cementation. 20. Temporary fixed restoration construction. 21. Types of implant retained prosthetic appliances. 22. Sequence of the clinical stages and laboratory procedures of the complex removable partial denture construction. 23. Complex removable partial dentures. Technology of the construction. 24. Types of crowns, comparative evaluation. 25. Special restorations (obturator, epithetic). 26. Impression techniques for removable partial dentures. 27. Impression techniques for fixed restorations. 28. Impression taking techniques for implant retained prosthetic appliances. 29. Making casts for fixed and complex removable partial dentures. Material of the casts. 30. Making casts for complete; and partial removable dentures. Material of the casts. 31. Acrylic veneered fixed restorations. Material of the metal base, rules of the construction. Types of the acrylic veneer materials, technologies of the veneer construction. 32. Sequence of the clinical stages and laboratory procedures of the removable partial denture construction. 33. Types of removable partial dentures, component parts and the function of the parts. 34. Try-in procedure, cementation, and removing of fixed restorations. 35. Finishing line preparation types for crowns. Evaluation, design. 36. Wax pattern fabrication of bridges. Fabrication of casted metal crowns.

Complete denture 1. The base plate method and the traditional denture making procedure. 2. Determination of centric relations in edentulous mouth. 3. Basic theories of tooth setup and their evaluation. 4. General principles of selecting anterior teeth and their setup according to Gysi. 5. Functional impression. Purpose, properties, techniques, method of impression taking, materials for complete dentures. 6. Evaluation and try in of the trial denture. Fitting the complete denture. 7. Processing the complete denture. Straight and reverse investing procedures. 8. Parts of the complete dentures. Purpose of the parts, types of artificial teeth. 9. Clinical and laboratory steps of complete denture construction. 10. Primary (preliminary) impression. Purpose, properties, method of impression taking, materials for complete dentures. 11. Adjusting the special tray in edentulous cases. 12. Construction of special tray and occlusal rim. Purpose of application, overview of the used materials.

Practical exam questions:

1. Setting up of the upper anterior teeth of the complete denture
2. Primary impressions of edentulous jaws on phantomhead (U,L)
3. Construction of light curing acrylic special tray
4. Two-phase, two-time impression of upper jaw
5. Antagonistic impression and bite registration with wax
6. Preparation for porcelain fused to metal crown (25)
7. Fabrication of occlusal rim
8. Registration of jaw relationship on phantomhead
9. Open tray impression for implant retained prosthetic appliances

Hungarian language exam:

Questions of the Hungarian Exam 1. 1. What has brought you along today? 2. How long have you had this complaint? 3. Please, give me an explorer. 3. Could you, please, hold the patient's head for me? 4. Could you, please, give me (a pair of) forceps for a lower molar? Questions of the Hungarian Exam 2. 1. Good morning, my name is I am a 4th, (5th) year student of dentistry. 2. Are you aware of bleeding disorders? 3. Please, give me a cassette for examination. 4. Could you, please, give me an endo file size 30? Questions of the Hungarian Exam 3. 1. When did your complaint start? 2. Have you ever experienced an unusual reaction when taking penicillin? 3. Could you, please, retract the patient's cheek for me? 4. Please, give me a rubber dam clamp. Questions of the Hungarian Exam 4. 1. Have you ever had any problem with your heart? 2. Are you aware of any hereditary disease in your family? 3. Please, give me an explorer. 4. Please, give me a sickle tip into the ultrasonic scaler. Questions of the Hungarian Exam 5. 1. I am a foreign student and my Hungarian is not too good. 2. Are you afraid of receiving dental treatment? 3. Please, give me a contra angle handpiece. 4. Could you, please, pass me a saliva ejector? Questions of the Hungarian Exam 6. 1. I am going to call my instructor to consult upon your case. 2. Are you pregnant now? 3. Please, give me a turbine handpiece. 4. I need composite filling material in shade A3. Questions of the Hungarian Exam 7. 1. I am going to prepare your tooth for a crown. 2. We are going to have your tooth X-rayed. 3. Please, give me a sheet of wax. 4. Please, give me a pair of examination rubber gloves. Questions of the Hungarian Exam 8. 1. Are you under regular medical treatment or monitoring? 2. Have you ever been hospitalized? 3. Please, give me a sheet of rubber dam. 4. Could you, please, give me a polishing brush and some paste? Questions of the Hungarian Exam 9. 1. Has there been any change in your general health in the last year? 2. Do you have a tendency to faint? 3. Could you, please, retract the patient's lip for me? 4. Please, give me a pair of sterile rubber gloves in size Questions of the Hungarian Exam 10. 1. When and how did your parents lose their teeth? 2. Have you had a toothache recently? 3. Please, help me with taking the working length. 4. Could you, please, give me (a pair of) forceps for left upper molars? Questions of the Hungarian Exam 11. 1. Do you have any systemic disease worth mentioning? 2. Do you regularly drink alcohol? 3. Please, give me a face mask 4. Please, remove the used instruments. Questions of the Hungarian Exam 12. 1. Please open your mouth, we are going to remove your stitches (sutures). 2. Do you feel pain when you bite? 3. Please, give me a straight handpiece. 4. Please, give me a Gracey curette set. Questions of the Hungarian Exam 13. 1. Is your tooth sensitive to warm? 2. Do you experience bleeding when you brush your teeth? 3. Please, give me a fissure bur. 4. Please, help me with my patient's dental charting. Questions of the Hungarian Exam 14. 1. Please, open your mouth, I would like to examine your mouth and teeth. 2. How many times do you brush your teeth a day? 3. Could you, please, shine the light on the composite filling? 4. Please, put a napkin on my patient's chest. Questions of the Hungarian Exam 15. 1. Are you aware of any medication that might affect your blood clotting? 2. Your gum bleeds, you have gingivitis. 3. Please, help me with the bridge cementation. 4. Please, give me a Cavitron ultrasonic hand piece. Questions of the Hungarian Exam 16. 1. How long have you had this complaint? 2. Is your tooth sensitive to percussion? 3. Please, help me with my patient. 4. Please, give me a cassette for root canal treatment. Questions of the Hungarian Exam 17. 1. Do you regularly see your dentist? 2. This tooth is decayed. It needs to be filled. 3. Please, lift your tongue. 4. Please, mix the impression material for me. Questions of the Hungarian Exam 18. 1. Please close your mouth. 2. Your teeth have got loose, unfortunately you have periodontal disease. 3. Are you satisfied with the shade of the new crown? 4. Do not be afraid, it is not going to hurt! Questions of the Hungarian Exam 19. 1. I am going to polish your teeth to remove the dental plaque and stains. 2. Please, clench your teeth. 3. Please, hold this mirror. 4. Please, give me gingival retraction cord. Questions of the Hungarian Exam 20. 1. Please, bite on this gauze swab. 2. Did you experience

swelling in your cheek after surgery? 3. Your denture needs to be corrected 4. Could you, please, mix phosphate cement for me? Questions of the Hungarian Exam 21. 1. What kind of medications are you taking? 2. I am going to remove the tartar (calculus) from your teeth. 3. Please sign the consent form. 4. Please, give me an endodontic irrigating syringe. Questions of the Hungarian Exam 22. 1. I am going to show you how to use the toothbrush correctly. 2. I am going to make a provisional crown on your tooth. 3. Is your denture comfortable? 4. Please, give me a spherical bur. Questions of the Hungarian Exam 23. 1. This new filling is an amalgam filling. This means you cannot chew at least for two hours after leaving the dental office. 2. Please sign the dental and medical history form. 3. Can you chew with your new denture? 4. Could you, please, lay down the dental chair with my patient? Questions of the Hungarian Exam 24. 1. Are you taking any medication? 2. We are going to check the working length on a radiograph. 3. Is this filling high? 4. You need a root canal therapy because you have got pulpitis. Questions of the Hungarian Exam 25. 1. This new filling is a light curing material, so you can immediately chew after leaving the dental office. 2. Is your lip numb? 3. When did you have the last laboratory check-up? 4. Are you being treated for any condition by a physician now? Questions of the Hungarian Exam 26. 1. Do you get tired easily? 2. I am going to put a provisional filling in your tooth. 3. When you bite do you feel any difference? 4. Please, give me a Lidocain injection with a short needle. Questions of the Hungarian Exam 27. 1. How many cigarettes do you smoke a day? 2. After surgery, please, rinse your mouth twice a day with Chlorhexidine mouth wash. 3. Do you experience any pain when you chew? 4. Could you, please, fill the tray with putty impression material? Questions of the Hungarian Exam 28. 1. This filling in your tooth does not fit correctly, so it needs to be changed. 2. I am going to try in this dental tray. 3. I am going to put a cotton roll into your mouth. 4. Do you like the shade and mold of the new crown? Questions of the Hungarian Exam 29. 1. I am going to drill your tooth to make a filling. 2. Have you ever fainted during dental treatment? 3. How many pregnancies have you had? 4. Have you ever been told by a physician that you have a heart murmur? Questions of the Hungarian Exam 30. 1. Your denture caused a sore spot on your gum 2. Please do not rinse your mouth after tooth extraction. 3. Is the tip of your tongue numb? 4. We are going to make a new filling. Questions of the Hungarian Exam 31. 1. Is your denture rocking? 2. Are you aware of any contagious disease? 3. You need a root canal therapy because you have got pulpitis. 4. Is your tooth sensitive to cold? Questions of the Hungarian Exam 32. 1. Please, open your mouth, I am going to give you an injection to anesthetize your tooth. 2. Please swallow 3. I am going to put a rubber dam onto your teeth. 4. Do you use dental floss? Questions of the Hungarian Exam 33. 1. This tooth cannot be saved, it should be extracted. 2. Does your jaw click when you chew? 3. What kind of medications are you taking? 4. Have you had rheumatic fever? Questions of the Hungarian Exam 34. 1. I am going to show you the technique of using the dental floss. 2. Do you have a bleeding gum? 3. How many children do you have? 4. Do you smoke? Questions of the Hungarian Exam 35. 1. I am going to lay down the dental chair. 2. I am going to take an impression. 3. Could you, please, give me (a pair of) forceps for right upper molars? 4. Has the corner of your lip got numb? Questions of the Hungarian Exam 36. 1. How long have you had this toothache? 2. Is your tooth sensitive when you bite on it? 3. What kind of operations did you undergo? 4. When did you last see your dentist? Questions of the Hungarian Exam 37. 1. Please breathe through your nose. 2. Do you have low blood pressure? 3. You have some problems with your oral hygiene. 4. Are you breastfeeding your baby now? Questions of the Hungarian Exam 38. 1. Have you ever had an operation? 2. Which of your teeth is aching? 3. We need radiography. 4. Please, give me a Lidocain injection with a long needle. Questions of the Hungarian Exam 39. 1. Is it a dull pain? 2. Please, turn to the left. 3. Could you, please, give me an endo reamer size 15? 4. Is it a pulsating pain? Questions of the Hungarian Exam 40. 1. Have you ever had any problem with your heart? 2. Are you aware of any hereditary disease in your family? 3. Please, give me an explorer. 4. Please, give me a sickle tip into the ultrasonic

scaler. Questions of the Hungarian Exam 41. 1. Have you ever been pregnant? 2. Do you have any difficulties swallowing? 3. Please, rinse your mouth. 4. Are you aware of high blood pressure? Questions of the Hungarian Exam 42. 1. Your teeth are covered by dental calculus. 2. Please, turn to the right. 3. Could you, please, give me (a pair of) forceps for a lower front teeth? 4. Please, give me an endodontic irrigating syringe. Questions of the Hungarian Exam 43. 1. I am going to prepare your tooth for a crown. 2. We are going to have your tooth X-rayed. 3. Please, give me a sheet of wax. 4. Please, give me a pair of examination rubber gloves. Questions of the Hungarian Exam 44. 1. Are you under regular medical treatment or monitoring? 2. Have you ever been hospitalized? 3. Please, give me a sheet of rubber dam. 4. Could you, please, give me a polishing brush and some paste?

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.

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%.

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)

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.

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

Practical final exam in the 14th week of the semester

Practical exam: At the last practice each student must present a given chairside or labside step from the learning material of the course Odonotechnology and Prosthodontic Preclinical Course I., II., III.

The note of the Practical final exam is the average of the practical exam note and the final note for the Odontotechnology and Prostodontic preclinical course III.

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

If the student fails to succeed on the Practical examination, he or she may not take the final exam, and by failing consumes an exam opportunity. The note given at the practical exam can be corrected, a fee has to be paid in order to retake the exam. The retake session takes place on the first Thursday of the exam period, at 8:00.

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.

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.

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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%.

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	McCracken's
Title	Removable Partial Prosthodontics
Publisher	Mosby
Year of publication	1999

Type	Mandatory
Author	M. Fradeani, G. Barducci
Title	Esthetic Rehabilitation in Fixed Prosthodontics (Prosthetic Treatment. A systemic approach to esthetic, biologic and functional integration)
Publisher	Quintessence
Year of publication	2008

Type	Mandatory
Author	Herbert T. Shillingburg
Title	Fundamentals of Fixed Prosthodontics
Publisher	Quintessence
Year of publication	1997

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, 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:
