

COURSE SYLLABUS

Semmelweis University, Faculty of Dentistry, Doctor of Medicine in Dentistry Program
<p>Name of the course in Hungarian: Restauratív Fogászat és Endodoncia IV.</p> <p>In English¹: Restorative Dentistry and Endodontics IV.</p> <p>In German¹: Restaurative Zahnheilkunde und Endodontologie IV.</p> <p>Credits: 3</p> <p>Number of hours: 56 of which lectures: 0 practicals: 14 x 4 seminars: 0</p> <p>Course type: <u>compulsory</u> compulsory elective elective</p> <p>Semester in which the course is offered, according to the curriculum: 9th Semester</p> <p>Frequency of announcement: per year</p> <p>The educational research unit teaching the course: Department of Restorative Dentistry and Endodontics</p>
<p>Academic year: 2025/2026 – I. Semester</p>
<p>Neptun code of the course: FOKOKFK357_4A</p>
<p>Course coordinator: Prof. János Vág DMD, PhD</p> <p>Position: head of department, university professor</p> <p>Workplace, contact: Semmelweis University, Faculty of Dentistry, Department of Restorative Dentistry and Endodontics, 1088 Budapest, Szentkirályi u. 47. Phone: +36-1-317-1598 E-mail: helyreallito.fogaszat@semmelweis.hu</p>
<p>Course objectives and role within the Dental Curriculum: Upon completing the subject, students solve complex tasks more confidently and independently within the Restorative Dentistry and Endodontics framework and the Clinical Dentistry subject. In addition, students acquired knowledge to solve complex restorative and endodontic cases. Students are improving their basic skills in dental assistance.</p>
<p>Location of instruction (lecture hall, seminar room, etc.): Dental Clinical and Training Centre, Department of Restorative Dentistry and Endodontics H-1088 Budapest, Szentkirályi street 47.</p>
<p>Competencies acquired upon successful completion of the course: By the end of the semester, students will have gained more experience both in restorative dental and in root canal treatments and will be able to work more independently.</p>
<p>Prerequisites and eligibility requirements for enrollment and completion, in the case of a multiple-semester course, is continuous enrollment (“course rollover”) allowed, and if so, under what conditions:</p>

<ul style="list-style-type: none"> - Prosthodontics III. - Restorative Dentistry and Endodontics III.
Enrollment requirements: minimum and maximum number of students, and selection criteria: <ul style="list-style-type: none"> -
How to apply for the course: In the Neptun system
Detailed course content²: <p>The subject is taught four practical hours per week, with no lectures. The practice has an extended time due to the longer time needed for the complex restorative and endodontic treatments. Patient examination, anamnesis, stomato-oncological screening, diagnosis, treatment planning, complex restorative treatment, and endodontal treatment of single and multi-rooted teeth could also be performed. The students work in pairs and take turns to assist each other.</p>
Related courses covering overlapping or interdisciplinary topics (including both compulsory and elective courses) with possible overlapping areas of the course curriculum: <p>Restorative Dentistry and Endodontics I. Restorative Dentistry and Endodontics II. Restorative Dentistry and Endodontics III. Restorative Dentistry and Endodontics V. Clinical Dentistry I. Clinical Dentistry II.</p>
The application of artificial intelligence in teaching of the course: <p>The education is primarily based on the lectures, seminars, recommended textbooks and practical training materials. The student may use artificial intelligence during the education, but must consult with his/her practical supervisor about the authenticity of the information received.</p>
Specific academic requirements for successful course completion³: <p>A 4-week general dental summer internship to be completed after the 8th semester.</p> <p>The students will write a midterm exam on restorative dentistry and endodontics based on the knowledge gained from lectures, practices, seminars and textbooks in both topics. It is written at a particular time announced at the beginning of the year (preferably on week 10). If a student does not achieve a passing score on an exam the first time, the candidate can retake the exam in two weeks. A maximum of two additional attempts for the retake will be provided. It will be assessed in accordance with the procedure laid down in the Study and Examination Regulations of Semmelweis University.</p> <p>Students are required to arrive prepared for each practice. They should know what treatment they will perform on the scheduled patient. They need to be familiar with the theoretical background of</p>

the treatment and the steps involved in its practical implementation. In the absence of this knowledge, the instructor may refuse the unprepared student from carrying out patient treatment during the practice. The evaluation for that day's practice will be considered inadequate.

Attendance requirements and make-up policy:

Attendance at the practices is compulsory, and absences at any one practice may not exceed 25% of the total number of practices. In the case of the practice scheduled on a national holiday, that practice will not be held and cannot be replaced. Consequently, the total number of practices in the particular semester decreased. Therefore, the 25% is calculated from the decreased number.

After three instances of arriving late by less than 15 minutes, it will be counted as one absence. On the other hand, if you arrive late to the practice by more than 15 minutes, it will be directly counted as an absence. It is important to note that missed practices cannot be made up, regardless of whether it was a late arrival or an absence. Additionally, in the case of an absence, there is no need to provide a certificate.

Methods of assessment during the study period⁴:

Students should be prepared for the practice. The practice leaders will monitor and assess their knowledge and work carried out on the practices at each stage.

The results of the theoretical and practical evaluations will be included in the end-of-semester grade.

Requirements for semester completion and signature:

A minimum of 75% attendance is required at the practices, and absence may not exceed 25% of the practices regardless of the reason (please refer to **Attendance on practices and lectures, replacement in case of missed sessions**).

For the signature of the semester, a sufficient level of continuous and consistent theoretical preparation in practice and a sufficient level of practical performance are required. The average grade of the theoretical part and the average grade of the practical part must reach the 2.0 grade separately.

By week 13, a photo-documented case report of the student's work must be submitted to the practice leader.

Type of examination:

Practice mark
Examination requirements⁵: -
Grading method and type⁶, the option for grade offer and its conditions: The grading for practice is based on a five-point scale. The supervisor gives the practical grade based on the oral and/or written tests, the midterm, the practical performance, the case report, and the student's attitude towards the subject and his/her peers.
Examination registration procedure: -
Rules for examination retake: -
Recommended printed, electronic, and online study materials, textbooks, and references (include URLs for online materials): <ol style="list-style-type: none"> 1. Ritter AV, Boushell LW, Walter R: Sturdevant's Art and Science of Operative Dentistry, 7th ed. or higher, St. Louis, Mosby, 2018 2. Torabinejad M, Walton RE, Fouad AF: Endodontics. Principles and Practice. 5th ed. or higher, St. Louis, Missouri, Saunders/Elsevier, 2014 3. Hargreaves KM, Berman LH: Cohen's Pathways of the Pulp, 11th ed. or higher, St. Louis, Missouri, Mosby/Elsevier, 2015
Signature of course lecturer (course coordinator): Prof. János Vág DMD, PhD
Signature of the head of coordinating department: Prof. János Vág DMD, PhD
Date of submission: 2025.08.27.

Opinion of the Committee on Education and Credit Transfer:
Notes from the Dean's Office:
Signature of Dean:

¹ This section must be completed only if the course is offered in the given foreign language.

² Theoretical and practical instruction must be listed separately, broken down by hours (weeks) and numbered accordingly. Attachments are not permitted.

³ E.g., fieldwork, case report analysis, conducting a survey, etc.

⁴ E.g., homework, in-class presentations, midterm tests. Please specify topics and dates, as well as possibilities for make-up and retake.

⁵ For a theoretical exam, please include the list of exam topics, for a practical exam, specify the scope and format of the examination.

⁶ Description of how the theoretical and practical exams are weighted in the final grade. Description of midterm assessments contribute to the final grade.