

## COURSE SYLLABUS

<b>Semmelweis University, Faculty of Dentistry, Doctor of Medicine in Dentistry Program</b>
<p><b>Name of the course in Hungarian:</b> Restauratív Fogászat és Endodoncia I.</p> <p><b>In English<sup>1</sup>:</b> Restorative Dentistry and Endodontics I.</p> <p><b>In German<sup>1</sup>:</b> Restaurative Zahnheilkunde und Endodontologie I.</p> <p><b>Credits:</b> 3</p> <p><b>Number of hours:</b> 42      of which      lectures: 0      practicals: 14 x 3      seminars: 0</p> <p><b>Course type:</b> <u>compulsory</u>      compulsory elective      elective</p> <p><b>Semester in which the course is offered, according to the curriculum:</b> 6th Semester</p> <p><b>Frequency of announcement:</b> per year</p> <p><b>The educational research unit teaching the course:</b> Department of Restorative Dentistry and Endodontics</p>
<b>Academic year: 2025/2026 II. Semester</b>
<b>Neptun code of the course: FOKOKFK357_1A</b>
<p><b>Course coordinator: Prof. János Vág DMD, PhD</b></p> <p><b>Position:</b> head of department, university professor</p> <p><b>Workplace, contact:</b> 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><b>Course objectives and role within the Dental Curriculum:</b> Throughout the entire university course, students here perform their first invasive interventions. Therefore, the purpose of the course is for students to learn the basic steps of patient treatment, from obtaining the medical history to setting up the dental chair and performing tooth preparation.</p>
<p><b>Location of instruction (lecture hall, seminar room, etc.):</b> Dental Clinical and Training Centre, Department of Restorative Dentistry and Endodontics H-1088 Budapest, Szentkirályi street 47.</p>
<p><b>Competencies acquired upon successful completion of the course:</b> Ability to admit patients independently, make a diagnosis after making a general and dental history, make an appropriate treatment plan, assist, and perform restorative interventions under the supervision of a practice leader.</p>
<p><b>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,</b></p>

<p><b>under what conditions:</b></p> <ul style="list-style-type: none"> <li>- Restorative Dentistry, Pre-clinical II</li> <li>- Odontotechnology and Prosthodontics, Pre-clinical III</li> <li>- Preventive Dentistry</li> </ul>
<p><b>Enrollment requirements: minimum and maximum number of students, and selection criteria:</b></p> <p>-</p>
<p><b>How to apply for the course:</b></p> <p>In the Neptun system</p>
<p><b>Detailed course content<sup>2</sup>:</b></p> <p>The subject is taught three practical hours per week, with no lectures.</p> <p>During the practices, clinical care is provided for patients requiring conservative dental care under the supervision of an instructor. The students work in pairs and take turns to assist each other.</p> <p>Thorough patient examination, taking of medical and dental history, stomato-oncological screening, establishing the diagnosis, preparing a treatment plan, removing calculus, routine application of isolation procedures, preparing and restoring simple cavities, and treating caries lesions with fillings. Learning the basic skills for dental assisting.</p>
<p><b>Related courses covering overlapping or interdisciplinary topics (including both compulsory and elective courses) with possible overlapping areas of the course curriculum:</b></p> <p>Restorative Dentistry and Endodontics II.</p> <p>Restorative Dentistry and Endodontics III.</p> <p>Restorative Dentistry and Endodontics IV.</p> <p>Restorative Dentistry and Endodontics V.</p> <p>Clinical Dentistry I.</p> <p>Clinical Dentistry II.</p>
<p><b>The application of artificial intelligence in teaching of the course:</b></p> <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>
<p><b>Specific academic requirements for successful course completion<sup>3</sup>:</b></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 the treatment and the steps involved in its practical implementation. In the</p>

<p>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.</p>
<p><b>Attendance requirements and make-up policy:</b></p> <p>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.</p> <p>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.</p>
<p><b>Methods of assessment during the study period<sup>4</sup>:</b></p> <p>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.</p> <p>The results of the theoretical and practical evaluations will be included in the end-of-semester grade.</p>
<p><b>Requirements for semester completion and signature:</b></p> <p>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).</p> <p>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.</p> <p>By week 13, a photo-documented case report of the student's work must be submitted to the practice leader.</p>
<p><b>Type of examination:</b></p> <p>Practice mark</p>
<p><b>Examination requirements<sup>5</sup>:</b></p> <p>-</p>
<p><b>Grading method and type<sup>6</sup>, the option for grade offer and its conditions:</b></p> <p>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 practical performance, the case report, and the</p>

student's attitude towards the subject and his/her peers.
<b>Examination registration procedure:</b> -
<b>Rules for examination retake:</b> -
<b>Recommended printed, electronic, and online study materials, textbooks, and references (include URLs for online materials):</b> <ol style="list-style-type: none"> <li>1. Ritter AV, Boushell LW, Walter R: Sturdevant's Art and Science of Operative Dentistry, 7th ed. or higher, St. Louis, Mosby, 2018</li> <li>2. Torabinejad M, Walton RE, Fouad AF: Endodontics. Principles and Practice, 5th ed. or higher, St. Louis, Missouri, Saunders/Elsevier, 2014</li> <li>3. Hargreaves KM, Berman LH: Cohen's Pathways of the Pulp, 11th ed. or higher, St. Louis, Missouri, Mosby/Elsevier, 2015</li> </ol>
<b>Signature of course lecturer (course coordinator):</b>  Prof. János Vág DMD, PhD
<b>Signature of the head of coordinating department:</b>  Prof. János Vág DMD, PhD
<b>Date of submission:</b> 2025.08.27.

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

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

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

<sup>3</sup> E.g., fieldwork, case report analysis, conducting a survey, etc.

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

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

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