

## REQUIREMENTS

<b>Semmelweis University Faculty of Dentistry</b> Department of Conservative Dentistry
<b>Name of the course:</b> RESTORATIVE DENTISTRY, PRE-CLINICAL I <b>Credit value:</b> 4 <b>Lessons (in hours):</b> 42 <b>lectures:</b> 0 <b>practices:</b> 3 <b>seminars:</b> 0 <b>Type of the course:</b> <u>compulsory</u> obligatory    elective    elective <b>Frequency of announcement (per semester or year):</b> per year (4 <sup>th</sup> Semester)
<b>Academic year:</b> 2021/2022 2nd Semester - in an ascending system
<b>Subject code<sup>1</sup>:</b>
<b>Lecturer of the course:</b> Beáta Kerémi DMD, PhD  <b>Contact:</b> SE, Department of Conservative Dentistry, 1088 Budapest, Szentkirályi u. 47. <b>Phone:</b> +361-317-1598 <b>Function:</b> associate professor
<b>The goals of the course in point of view of the education:</b> This subject serves as the establishment of basic knowledge of Restorative Dentistry with a special focus on direct restoration. The goal is to acquire a level of theoretical and practical knowledge that can be used to treat patients in clinical practice. During practice the students learn: <ul style="list-style-type: none"><li>• the anatomy and histology of the tooth</li><li>• the nature, progression, development, diagnosis and therapy of the caries</li><li>• the types of instruments used in restorative dentistry and their application technique</li><li>• the main characteristics of the different filling materials and their application technique</li><li>• the design rule of cavity types and their preparation techniques</li><li>• the steps of restoring cavities with different filling materials</li><li>• the use of different matrix systems</li><li>• the methods of isolation – especially attention to the absolute isolation</li></ul>
<b>Location of the course (address of lecture hall, seminar room etc.):</b> SE FOK Oktatási Centrum, Propaedeutics lab; 1088 Budapest, Szentkirályi u. 47.
<b>Competences acquired by completion of the course:</b> Upon successful completion of the course, the student will master the anatomy of the tooth, the development, circumstances, diagnosis, and therapy of tooth decay, will know and use the instruments, equipment necessary for restorative dental treatments, will be able to apply the rules of cavity preparation and will know the properties of the filling materials, and the student will be able to restore teeth with different filling materials.
<b>Pre-study requirements and prerequisites of course registration and completion:</b> <ul style="list-style-type: none"><li>- General dental preclinical practice</li><li>- Macroscopic anatomy and embryology II</li><li>- Odontotechnology and Prosthodontics Pre-clinical I</li></ul>

**Number of students required for announcement of course (min., max.): -**

**Method of course registration:** In the Neptun system

**Detailed course/lecture description<sup>2</sup>:** (to facilitate credit recognition in other institutions)

This subject includes three hours of practice per week. During practice the task is to prepare cavities for composite fillings on plastic teeth in phantom heads with continuous monitoring of theoretical and practical knowledge.

**The material for the practicals:**

1. General tooth anatomy, Mühldreiter's signs, tooth marking systems, instruments for dental hard tissue preparation
2. Black classification, general rules of preparation, tooth preparation terminology (nomenclature), Preparation of Class I cavity -1<sup>st</sup> part
3. Caries – definition, clinical characteristics, progression, histopathology, zones; Class I cavity preparation-2<sup>nd</sup> part
4. Position of the patient and the operator during treatment, Class V cavity preparation
5. Class II cavity preparation
6. **Midterm test I – cavity preparation**  
Matrix systems and wedges,
7. Isolation (relative and absolute)
8. Minimal invasive preparation, preparation of foramen coecum
9. Composite filling in the posterior region, steps of treatment (adhesive technique)
10. Instruments and methods of finishing and polishing
11. **Midterm test II – making of filling**  
Removing amalgam fillings, preparing modified conventional cavities, treatment of discoloured dental hard tissue
12. Class III and Class IV cavities preparation
13. Anterior matrices, steps of composite filling in the anterior region (adhesive technique)
14. Treatment of root caries, temporary fillings: materials and application

**Courses (obligatory and elective) which in part or entirely overlap the topics of above course:**

his subject establishes the knowledge and competence for Restorative Dentistry and Endodontics and Clinical Dentistry subject, so the knowledge acquired here will expand

**Special academic work required for completion of the course<sup>3</sup>: -**

**Attendance on practices and lectures, replacement in case of missed sessions:**

Attendance at the practices is compulsory, and absences at any one practice may not exceed 25% of the total number of practices. Arriving late to the practices less than 15 minutes results in one absence after three times. Arriving late to the practices of more than 15 minutes counts as an absence. There is no possibility to make up a missed practice. No certificate is necessary in case of absence.

The materials of practice consultations are essential for completing the practical work and passing the exam.

**Method of checking acquired knowledge during the study period<sup>4</sup>:**

Students must arrive in the practice with knowledge of the material related to the scheduled program available on Moodle website. During the semester, small tests take place weekly. **Two midterms will be given, one on the 6th week (cavity preparation) and the second on the 12th week (making of fillings).** If a student does not pass the exam the first time, the exam can be retaken 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.  
The work carried out on the practices will be monitored and assessed by the practice leaders at each stage. The results of the evaluations are included in the semester rating.

**Requirements of an accepted semester (*signature of the lecturer*):**

A minimum of 75% attendance is required at the practices, and absence may not exceed 25% of the practices regardless of the reason.  
The signature of the semester, a sufficient level of continuous and consistent theoretical preparation, the passed demonstration, 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 separately reach the 2.0-grade. The midterm tests must individually reach a level of at least 2.0.

**Type of the exam:** practical mark

**Requirements of the exam<sup>5</sup>:** -

**Grading of courses<sup>6</sup>:**

The practical grade is based on a five-point scale. The practical grade is determined by the supervisor on the basis of the student's oral and written theoretical and practical performance in the practicals, taking into account the student's attitude towards the subject and his/her peers.  
The average of the theoretical and practical grades must achieve a 2.0 average, and the mid-term tests must achieve at least a 2.0 average.

**Exam registration:** -

**Rules of repeating exams:** -

**List of textbooks, lecture notes and recommended textbooks:**

1. Ritter AV, Boushell LW, Walter R: Sturdevant's Art and Science of Operative Dentistry 7th ed. St. Louis, Mosby, 2018.

**Signature of course lecturer:**

**Beáta Kerémi DMD, PhD**

**Signature of head of department:**

**János Vág DMD, PhD**

**Date of submission:**

**Opinion of OKB:**

**Notes from the Dean's Office:**

**Signature of Dean:**

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<sup>1</sup> Filled out by the Dean's Office following approval

<sup>2</sup> Detailed and numbered for each week of theoretical and practical lessons one by one, indicating the names of lecturers and instructors

<sup>3</sup> Eg. field practice, medical chart analysis, survey conducting, etc.

<sup>4</sup> Eg. homework, report, midterm exam etc. Topics, dates, method of retake and replacement.

<sup>5</sup> List of topics in case of theoretical exam, thematic and method in case of practical exam.

<sup>6</sup> Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.