

**Semmelweis University, Faculty of Dentistry - single, long-cycle medical training -
Undivided, one-tier training in dentistry**

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

Helyreállító Fogászati és Endodonciai Klinika

Name of subject in Hungarian: Aesthetic restoration techniques I.

Name of subject in English: Aesthetic restoration techniques I.

Name of subject in German: Ästhetische Zahnfüllungstechniken I

Credit value of the course: 1

Semester: 7th semester

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

Weekly hours	Lecture	Practice	Seminar
0.0	0.0	0.0	0.0

Semester hours	Lecture	Practice	Seminar
0.0	0.0	0.0	0.0

Type of course:

elective

Academic year:

2026/27

Language of instruction (for optional and elective subjects):

Angol

Course code:

FOSVKFK167_1A

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

Course coordinator name: Dr. Vág János

Course coordinator location of work, telephone availability: Helyreállító Fogászati és Endodonciai Klinika, 061459-1500/59377

Course coordinator position: klinika igazgató

Course coordinator Date and number of habilitation: 2019.06.06 09/2019

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

This subject guides students in the more aesthetic preparation of direct restorations. Our goal is to enable students to transfer the functional foundations received in education aesthetically into their practice based on detailed practical instructions through a complex composite system

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

lecture

Competencies acquired through completion of course:

The students will gain the ability to recognize and recreate the detailed anatomy of front teeth, including the surface texture and form. They get familiar with the layering technique and evaluation of the esthetics of direct restorations by using a complex composite system and polishing kit.

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

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

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

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

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!)

The course is divided into two blocks. The theoretical part (7 hours) and a hands-on part (7 hours) with making direct restorations under the supervision.

Lectures:

- Tooth shade and inner structure of teeth
- Morphology of front teeth
- The physical, chemical, and optical properties of direct restorative materials
- Functional stability of front teeth, making of wax-up
- The role and preparation of silicone index
- The structural changes of front teeth by aging
- The layering technique at front restorations

- Finishing and polishing

Hands-on part:

- The composite layering of a complete direct veneer on a 3D-printed upper central incisor with a simplified technique

The composite layering of Class 4 filling in a 3D-printed upper central incisor using the layering technique

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):

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

: The topics covered by the lectures are inevitable to accomplish the practical work. Participation in practice is obligatory; the absence for any reason may not exceed 25% of the practices. We cannot provide an opportunity to replace a practice. Absence does not need to be justified.

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)

Practical work made by the students is supervised and evaluated by the practice teacher. The results of the evaluations are included in the end-of-semester qualification.

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

there is none

Requirements for the successful completion of the course:

The students will gain the ability to recognize and recreate the detailed anatomy of front teeth, including the surface texture and form. They get familiar with the layering technique and evaluation of the esthetics of direct restorations by using a complex composite system and polishing kit.

Type of assessment:

term grade

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

there is none

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.

there is none

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 grade of the practice is five levels. The practice supervisor determines the practical mark based on the practical performance, also taking into account the student's attitude towards the subject and his/her mates.

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

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

Signature of the director of the host institution:

Date of submission:
