

**Semmelweis University, Faculty of Dentistry - single, long-cycle medical training -
Osztatlan általános fogorvos képzés**

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

Gyermekfogászati és Fogszabályozási Klinika

Name of subject: Orthodontics Pre-clinical

in English: Orthodontics Pre-clinical

in German: Kieferorthopädische Propädeutik

Credit value: 1

Semester: 8th semester

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

Hours per week	Lecture	Practical lesson	Seminar
1.0	0.0	1.0	0.0

Hours per semester	Lecture	Practical lesson	Seminar
14.0	0.0	14.0	0.0

Type of course:

obligatory

Academic year:

FOK 2026/2027. tanév

Language of instruction (for optional and elective subjects):

Angol

Course code:

FOKOGFK257_1A

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

Course coordinator name: Dr. Kaán László Miklós

Course coordinator location of work, telephone availability: SE FOK Oktatási Centrum, 1088 Bp., Szentkirályi St. 47. +36-1-318-7187, 06-1-459-1500 / 59270

Course coordinator position: Associate professor, Deputy director of institute

Course coordinator Date and number of habilitation: -

Objective of instruction and its place in the curriculum:

Preparation of the students for the practical tasks of the orthodontic treatments with priorities accorded to the development of the manual skills. According to the detailed syllabus the purpose of the practices is to introduce the different groups of orthodontic appliances on casts and with multimedia methods. Students have to be able to activate the appliances and bend archwires. Brackets have to be bonded on models.

Individual phantom practices on typodonts. Students perform their practices under the supervision of tutors. The different orthodontic appliances are reviewed. The operation of the appliances and the completion of the components can be acquired on the practices.

Method of instruction (lecture, group work, practical lesson, etc.):

Practical lesson.

Competencies acquired through completion of course:

Practical skills, bending wires, loops, bonding brackets, setting ligatures

Course outcome (names and codes of related subjects):

Prerequisites for course registration and completion: (CODE):

General and Dental Radiology I.

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), student selection method:

Compulsory for all 4th year students, Clinical practices in groups of six

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. Grouping of the orthodontic appliances, the function of the appliances, biomechanical systems of orthodontic appliances
 2. The working principles and role of removable orthodontic appliances, bending of labial arch
 3. Metals used in orthodontics, wire (contraction wire) bending
 4. Elements of the fixed orthodontic appliances, bonding brackets
 5. The practical course on typodont, ligation
 6. Bending Utility-arch, the phases of orthodontic treatment with fixed appliances
 7. Digital orthodontics, written test
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Other courses with overlapping topics (obligatory, optional, or elective courses) in

interdisciplinary areas. To minimize overlaps, topics should be coordinated. Code(s) of courses (to be provided):

FOKOGFK263_1A, FOKOGFK263_2A, FOSVGFK131_1A, FOSVGFK131_2A, FOSVGFK169_1A

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

Students are required to attend practice sessions and midterm test. The practical course of one semester cannot be recognised if a student is absent for more than 25% (more than 1 occasions) of the practice sessions. The missed practices can be retaken twice per semester.

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)

During the course, students must take one electronic written test, in which they must achieve a score of at least 61%. The test can be retaken twice during the semester.

Test Grading Scale

- 5 (Excellent) - from 17 points
 - 4 (Good) - from 15 points
 - 3 (Satisfactory) - from 13 points
 - 2 (Sufficient) - from 11 points
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Number and type of individual assignments to be completed, submission deadlines:

Wire bending, bracket bondibg, ligating, digital orthodontics.

Requirements for the successful completion of the course:

1. At least **satisfactory** results (2) on midterm tests.
 2. Interest and participation shown during the practical courses (maximum 1 absences)
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Type of assessment:

term grade

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

At least a passing grade (2) is required on the written test to pass the course.

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.

During the course, students must take one test-paper, in which they must achieve a score of at least 50%.

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 average of the test-papers and the judgement of the practical performance determine the final score of the semester, (50-50%). Practices and written test can be retaken.

Not.

Not possible.

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

The use of artificial intelligence is not permitted during midterm exams, written exams, or preparation time for oral exams. Electronic devices that provide access to artificial intelligence are not permitted during exams.

Instructors may use artificial intelligence in preparing lectures and compiling test questions, while students are also permitted to use artificial intelligence during the semester to learn and understand the course material. However, artificial intelligence is prohibited in any type of assessment, as is the use of any other unauthorized aids. Its use is also not permitted when writing a thesis. Violation of these provisions constitutes unlawful conduct, i.e., plagiarism, and shall be investigated in student disciplinary proceedings during the student's enrollment.

Printed resources:

Required	pdf.nem
Author	Mitchell, Laura
Title	An introduction to orthodontics
Publisher	Oxford Publishing
Year of publication	2011

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

Signature of the director of the host institution:

Date of submission:
