Semmelweis University, Faculty of Dentistrye – 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 I.
in English: Orthodontics I.
in German: Kieferorthopadie I.

Credit value: 5
Semester: 9th semester
(in which the subject is taught according to the curriculum)

Hours per week	Lecture	Practical lesson	Seminar
5.0	1.0	4.0	0.0

Hours per semester	Lecture	Practical lesson	Seminar
70.0	14.0	56.0	0.0

Type of course:
obligatory

Academic year:
FOK 2026/2027. tanév

Language of instruction (for optional and elective subjects):
Angol

Course code:
FOKOGFK263_1A
(in the case of a new course, to be completed by the Dean’s Office, following approval)

Course coordinator name: Dr.Rózsa Noémi Katinka
Course coordinator location of work, telephone availability: SE FOK Oktatási Centrum, 1088 Bp., Szentkirályi St. 47. +36-1-318-7187, +36-1-4591500/59268
Course coordinator position: Director, University Professor
Course coordinator Date and number of habilitation: 2018.06.27 05/2018

Objective of instruction and its place in the curriculum:

Orthodontics is the acquirement of a sufficient theoretic and practical knowledge, fulfilling the requirements, set by the university and the government necessary to obtain a degree in dentistry. Students are expected to gain understanding through the attendance of practices; supervised practical sessions within small groups; the study of textbooks and further recommended literature. Practical work, the treatment of patients, can only be started once the supervisor has tested and is

satisfied with the student’s theoretical knowledge. Practical work consists of patient treatments. It is divided into two parts:

1. Joint work: students work alongside the supervisor.

2. Independent work: treatment is given by the students, under strict supervision.

The orthodontic training provides students with a broad knowledge, specifically concentrating on the following fields: 1. Aetiology 2. Prevention 3. Orthodontic diagnostics 4. Treatment planning 5. Early treatment 6. Most frequently used orthodontic appliances and treatment methods 7. The relation of orthodontics with other fields of dentistry. 8. Orthodontics in adulthood.8. Surgical-orthodontics 9. Aligner therapy 10. Trainers

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

Practical work consists of patient treatments. It is divided into two parts:

1. Joint work: students work alongside the supervisor.

2. Independent work: treatment is given by the students, under strict supervision.

Competencies acquired through completion of course:

Practical skills, orthodontic diagnostics, treatment planning, completition of orthodontic treatments

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Course outcome (names and codes of related subjects):
FOKOGFK257_1A

Prerequisites for course registration and completion: (CODE):

Orthodontics Pre-clinical, Prosthodontics III., Restorative Dentistry and Endodontics III.,

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

Not possible.

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

Compulsory for all V$_{th}$ year students, Clinical practices in small groups of five-six students.

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. The subject, significance of orthodontics, its relation to caries and periodontal diseases
2. Classification and terminology of malocclusion. Aetiology; hereditary and acquired anomalies.
3. Diagnosis of malocclusions I.
4. Diagnosis of malocclusions II. (cephalometry, photo-analysis)
5. Esthetical considerations of orthodontic treatment planning
6. The timing of the orthodontic treatment
7. Biomechanical principles of orthodontics. The possibilities of tooth movement
8. Interceptive orthodontics
9. Removable orthodontic appliances: simple and functional appliances
10. Space gaining in orthodontics. Arch expansion and molar distalisation
11. Modern technics in orthodontics: Alignertherapy.
12. Orthodontic treatment of impacted teeth
13. Fixed appliances. Multibond techniques, orthodontic wires. Phases of fixed orthodontic treatment
14. Consultation

Other courses with overlapping topics (obligatory, optional, or elective courses) in interdisciplinary areas. To minimalize overlaps, topics should be coordinated. Code(s) of courses (to be provided):
FOKOGFK257_1A, FOSVGFK292_1A, FOKOGFK265_1A, FOKOGFK265_2A, FOKOKFK384_1A

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

Students are required to attend practice sessions and midterm tests. The practical course of one semester cannot be recognised if a student is absent for more than 25% (more than 3 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)

Demonstration of an acceptable level of mastery of the theoretical and practical aspects of pediatric dentistry, as assessed by the clinical instructors at the end of the semester.

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

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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 3 absences).
3. Students should attain a sufficient theoretical and practical knowledge fulfilling the requirements of the department.

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 sufficient practical grade is required to participate in the comprehensive exam. On the oral exam the student draws two items from the given topic list, which they then discuss. As a result a final mark is given on the comprehensive exam.

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.

The attendance requirement for the practical sessions is 75% over the course of the semester; in other words, a maximum of 3 absences per semester is permitted.

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 midterm tests have to be completed once every semester. The test-paper is validated with a score over 50%. There are two possibilities to retake an unsuccessful test.

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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	Proffit, WR, Fields, DW, Larson, B, Sarver, DM
Title	Contemporary Orthodontics 6th ed.
Publisher	Mosby
Year of publication	2018

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

Required	pdf.nem
Author	Graber LW, Vanarsdall RL, Vig KWL, Huang GJ.
Title	Orthodontics, Current Principles and Technics, 6th ed.
Publisher	Elsevier
Year of publication	2016

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

Signature of the director of the host institution:

Date of submission: