

## REQUIREMENTS

<b>Semmelweis University Faculty of Dentistry</b>
<b>Department of Paediatric Dentistry and Orthodontics</b>
<b>Name of the course: Pedodontics</b>
<b>Credit value:</b> fall semester: 5, spring semester: 5
<b>Lessons (<i>in hours</i>):</b> 142 lectures: 26 practicals: 116 seminars: -
<b>Type of the course:</b> <u>compulsory</u> obligatory elective elective clinical faculty, theory and practice
<b>Frequency of announcement (<i>per semester or year</i>):</b> per semester
<b>Academic year: 2024-2025</b>
<b>Subject code<sup>1</sup>:</b> FOKOGFK265_1A, FOKOGFK265_2A
<b>Lecturer of the course:</b> Assoc. Prof. Dr. med habil Rózsa Noémi Katinka, MSc, PhD <b>Contact:</b> +36-1-318-7187, +36-1-4591500/59268 <b>Email:</b> <a href="mailto:rozsa.noemi@semmelweis.hu">rozsa.noemi@semmelweis.hu</a>
<b>The goals of the course in point of view of the education:</b> The aim of studying: Pedodontics 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 lectures; 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. During the practical course, while examining patients, the students must take a general and dental anamnesis and then record the oral and dental status. This includes an examination of the soft tissues; the condition of the teeth such as fillings and decay, and eventual teeth irregularities. After checking with the supervisor, they finalize the treatment plan. This includes oral hygiene and nutritional advice, motivation for the patient and treatment of caries and consequences under strict supervision. At the end of each practical session the supervisor records each student's work in accordance to their prescribed treatment on their personal „Pensum sheet”.
<b>Location of the course (<i>address of lecture hall, seminar room etc.</i>):</b> <b>Dental Training Centre:</b> SE FOK Oktatási Centrum, 1088, Bp., Szentkirályi St. 47.: <ul style="list-style-type: none"><li>• Lectures in the Árkövy Lecture Hall or other seminar and lecture facilities of the dental training centre.</li><li>• Clinical practices will take place in the practical training facilities (I<sup>th</sup>. floor) and in the dental offices (V<sup>th</sup>. floor) of the Department for Pedodontics and Orthodontics.</li></ul>
<b>Competences acquired by completion of the course:</b> Practical skills, dental diagnostics, treatment planning, pedodontic interventions
<b>Pre-study requirements and prerequisites of course registration and completion:</b> Orthodontics Pre-clinical, Conservative Dentistry and Endodontics III., Prosthodontics III.; Spring semester: Pedodontics I.
<b>Number of students required for announcement of course (<i>min., max.</i>):</b> Compulsory for all V <sup>th</sup> year students, Clinical practices in small groups of five.
<b>Method of course registration:</b> Neptun system
<b>Detailed course/lecture description<sup>2</sup>:</b> <b>Fall semester:</b> <ol style="list-style-type: none"><li>1. The subject, signification and interactions of paediatric dentistry</li><li>2. Tooth development, anatomy and dentition of primary teeth</li></ol>

3. Developmental disturbances of permanent and primary teeth
4. Caries of primary teeth. Treatment possibilities
5. Consecutive illnesses of caries in primary dentition
6. Mechanism of second dentition. Physiological and pathological significance
7. Caries and treatment of permanent teeth
8. Consecutive illnesses of caries in permanent dentition
9. Psychological aspects of dental treatment during childhood
10. Filling materials in Paediatric Dentistry
11. Dental radiology in Paediatric dentistry
12. Dental anomalies in syndromes
13. Root-canal treatment of immature teeth, apexogenesis, apexification
14. Special aspects of prevention in paediatric dentistry and orthodontics

**Spring semester:**

1. Pain control and anaesthesia during childhood
2. Traumatic injuries of primary teeth
3. Traumatic injuries of permanent teeth, complex therapy solutions
4. Non- and minimally invasive dentistry
5. Prosthetics in Paediatric dentistry
6. Periodontology and oral diseases during childhood
7. Dental attendance of children suffering from general diseases
8. The management of children with special needs
9. Aetiology and treatment methods of hard tissue discoloration
10. Administration of medicine in pedodontics
11. Oral surgery during childhood
12. Non- and minimal invasive interventions in paediatric dentistry
13. Molar-Incisor-Hypomineralisation Syndrom (MIH)
14. Consultation

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

Orthodontics I. and II., Pedodontic and Orthodontic Prevention, Conservative dentistry I., II. and III., Preventive dentistry I. and II.

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

Establishing pediatric dental status, pedodontic treatment planning, completions of pedodontic treatments, dental prevention.

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

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.

**Consequences of absence from sessions and exams:**

Every student has to sign his/her own attendance sheet which is certified by the supervisor's signature. Presence is required at a level of 75%. No more than three absences are permitted. Medical certificates are accepted, but the practical courses have to be retaken. Replacement of the missed practices is possible.

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

Electronic 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.

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



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 the exam:**

Fall semester: practical grade

Spring semester: practical grade, final oral exam

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

<p>Upon the completion of the 10<sup>th</sup> semester, students receive a grade based on their practical work and must sit a final verbal examination in which they are tested on two topics chosen randomly. The list of examination topics is available at the beginning of the 10<sup>th</sup> semester on the website of the Department..</p>
<p><b>Grading of courses<sup>6</sup>:</b>  The judgement of the practical presence and performance determine the final score of the semester. The evaluating the final practical results unsatisfactory score leads to a not validated semester.</p>
<p><b>Exam registration:</b> in the Neptun system</p>
<p><b>Rules of repeating exams:</b> new registration in the Neptun system</p>
<p><b>List of textbooks, lecture notes and recommended textbooks:</b>  Required textbook:  1. Casamassimo PS, Fields HW, McTigue DJ, Nowak AJ: Pediatric Dentistry, Infancy through Adolescence 5<sup>th</sup> ed., 2012; Elsevier Saunders, ISBN: 9780323085465  Recommended textbooks:  1. Nowak A, Christensen JR, Mabry TR, Townsend JA, Wells MH: Pediatric Dentistry: Infancy Through Adolescence, 6<sup>th</sup> ed., Elsevier, 2018.  2. Splieth, Christian H.: Revolutions in Pediatric Dentistry, 2011, Quintessenz Verlags-GmbH.</p>
<p><b>Signature of course lecturer:</b></p> 
<p><b>Signature of head of department:</b></p> 
<p><b>Date of submission:</b> 03<sup>rd</sup> of May, 2024.</p>
<p><b>Opinion of OKB:</b></p>
<p><b>Notes from the Dean's Office:</b></p>
<p><b>Signature of Dean:</b></p>

<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.