

COURSE SYLLABUS

Semmelweis University, Faculty of Dentistry, Doctor of Medicine in Dentistry Program
Name of the course in Hungarian: Gyermekgyógyászat In English¹: Pediatrics In German¹: Kinderheilkunde Credits: 1 Number of hours: __, of which lectures: 7 , practicals: 7 , seminars: 7 Course type: compulsory <u>compulsory elective</u> elective Semester in which the course is offered, according to the curriculum: 7. Frequency of announcement: per year The educational research unit teaching the course: Pediatric Center Tűzoltó Street Department
Academic year: 2025/2026
Neptun code of the course: FOKVGY2369_1A
Course coordinator: Prof. Dr. Gábor Kovács Position: head of department Workplace, contact: Pediatric Center Tűzoltó Street Department, kovacs.gabor1@semmelweis.hu
Course objectives and role within the Dental Curriculum: As in their University curriculum dentistry students start to study pediatrics parallel to their internal medicine training and before studying pediatric dentistry, the Department's new curriculum focuses more on propedeutics. Practices and consultations are intended to introduce students to fundamental medical skills and knowledge that they will utilize not only at their working sites but soon during the university years. During the practices /consultations the students will be able to 'meet' real cases and understand the structure of medical care; on the other hand the consultations will provide a possibility for them to learn the usage of data sources, search for and find professionally correct information in medical databases and making up a short presentation on dentistry-focused pediatric topics.
Location of instruction (lecture hall, seminar room, etc.): library
Competencies acquired upon successful completion of the course: Describing the method and specificity of history taking and physical examination in different ages, as well as the different dosage forms used in pediatrics. Understanding the method of making up the diagnosis and initiating adequate treatment from history taking, through physical examination and laboratory testing&imaging. Understanding the components of health surveillance, screening programmes and

primary/secondary prevention.

Practicing assertive and effective communication skills with patients&families.

Prerequisites and eligibility requirements for enrollment and completion, in the case of a multiple-semester course, is continuous enrollment (“course rollover”) allowed, and if so, under what conditions:

Prescribed prerequisites by the Dean's Office: Oral pathology, Pathology

Enrollment requirements: minimum and maximum number of students, and selection criteria:

Practice and Seminars: max. 6/group

How to apply for the course:

Registration through Neptun system only.

Detailed course content²:

Lecture:

1. Introduction: somatomental development of a healthy child, care of a newborn
2. Cardiovascular diseases
3. Diseases of the respiratory tract (ENT incl.), infections,
4. Disorders of growth&development
5. Pediatric Surgery
6. Chronic Abdominal Pain,
7. Anaemia, bleeding disorders, haematological malignancies

Practice:

1. Physical Examination
2. Feeding of a baby&child; intolerances, allergies
3. Laboratory Findings (bloodcount + 'routine checkup' + urinalysis)
4. Acute care of life-threatening conditions
5. Fluid-electrolyte changes, dosage forms in pediatrics, antipyretics
6. Seizures
7. Signs of syndromes of infectious diseases

Seminars:

1. Vomiting, diarrhoea
2. Mononucleosis
3. Lymphnode enlargement
4. Anaemia
5. Child with a rash
6. Problems of weight gain
7. Diabetes mellitus

<p>Related courses covering overlapping or interdisciplinary topics (including both compulsory and elective courses) with possible overlapping areas of the course curriculum:</p> <p>Internal medicine I-II-III.</p> <p>Pediatric dentistry</p>										
<p>The application of artificial intelligence in teaching of the course:</p> <p>No artificial intelligence is used in the training but it is allowed for home preparation for classes and exams.</p>										
<p>Specific academic requirements for successful course completion³:</p> <p>-</p>										
<p>Attendance requirements and make-up policy:</p> <p>Attendance is obligatory. Maximum number of absences is 25 percent of the number of practices+seminars in the semester (3/14).</p>										
<p>Methods of assessment during study period⁴:</p> <p>There are no mandatory midterm tests during the semester</p>										
<p>Requirements for semester completion and signature:</p> <p>The number of absences must not be more than 25 percent of the number of practices +seminars in the semester (3/14).</p>										
<p>Type of examination:</p> <p>Oral – Colloquium</p> <p>A klinika nem engedélyezi a mesterséges intelligencia használatát a vizsga alatt..</p>										
<p>Examination requirements⁵:</p> <p>Only students who have obtained the end-of-semester signature are eligible to take the exam.</p> <p>All topics from the topic lists (Lecture,practice, seminar)</p>										
<p>Grading method and type⁶, the option for grade offer and its conditions:</p> <p>Forming a grade at the end of the course is based on a 5 grade result system reflecting on the performance on the oral exam.</p> <table> <tr> <td>Excellent</td> <td>(5)</td> </tr> <tr> <td>Good</td> <td>(4)</td> </tr> <tr> <td>Satisfactory</td> <td>(3)</td> </tr> <tr> <td>Pass</td> <td>(2)</td> </tr> <tr> <td>Fail</td> <td>(1)</td> </tr> </table>	Excellent	(5)	Good	(4)	Satisfactory	(3)	Pass	(2)	Fail	(1)
Excellent	(5)									
Good	(4)									
Satisfactory	(3)									
Pass	(2)									
Fail	(1)									

Examination registration procedure:

Applying for the course takes places via the NEPTUN system, regarding the instructions of the Study and Exam Committee (TVSZ) and the Dean's Office of General Medicine. Retaking a failed exam is possible after 3 days min.

Rules for examination retake:

Via the NEPTUN system, according to the general rules of the Study and Exam Regulations (TVSZ).

Recommended printed, electronic, and online study materials, textbooks, and references (include URLs for online materials):

Lectures' and practices' notes

Signature of course lecturer (course coordinator):**Signature of the head of coordinating department:****Date of submission:****Opinion of the Committee on Education and Credit Transfer:****Notes from the Dean's Office:****Signature of Dean:**

¹ This section must be completed only if the course is offered in the given foreign language.

² Theoretical and practical instruction must be listed separately, broken down by hours (weeks) and numbered accordingly. Attachments are not permitted.

³ E.g., fieldwork, case report analysis, conducting a survey, etc.

⁴ E.g., homework, in-class presentations, midterm tests. Please specify topics and dates, as well as possibilities for make-up and retake.

⁵ For a theoretical exam, please include the list of exam topics, for a practical exam, specify the scope and format of the examination.

⁶ Description of how the theoretical and practical exams are weighted in the final grade. Description of midterm assessments contribute to the final grade.