

Semmelweis University, Faculty of Medicine - undivided, one-tier training in general medicine

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

Gyermekgyógyászati Klinika - Bókay utcai részleg

Name of subject in Hungarian: Gyermekgyógyászat

Name of subject in English: Pediatrics

Name of subject in German: Kinderheilkunde

Credit value of the course: 7

Semester: 9th semester, 10th semester

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

Weekly hours	Lecture	Practice	Seminar
7.0	0.0	5.0	2.0

Semester hours	Lecture	Practice	Seminar
0.0	0.0	0.0	0.0

Type of course:

obligatory

Academic year:

2026/27

Language of instruction (for optional and elective subjects):

english

Course code:

AOKGY11120_1A

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

Course coordinator name: Dr. Szabó Attila József (Klinika igazgató)

Course coordinator location of work, telephone availability: 06-1-334-3186

Course coordinator position: head of department

Course coordinator Date and number of habilitation: Budapest, June 7.2010. , No: 310

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

To understand the typical symptoms and common diseases in pediatrics, to master theoretical and practical knowledge.

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

Seminar, case report, group work, bedside practice, skill practice

Competencies acquired through completion of course:

To be able to recognize childhood illnesses and treat them in a basic level

Course outcome (names and NEPTUN ID of related subjects):**Prerequisites for course registration and completion: (NEPTUN ID):**

Internal Medicine I. (Metabolism, Endocrinology, Gastroenterology, Nephrology), Laboratory Medicine, Medical Imaging

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

Not applicable

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

Based on registration in Neptun, maximum 24 people per five-week course.

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!)

Timetable

		1. Week				
	Group	Monday	Tuesday	Wednesday	Thursday	Friday
8:45-9:30	A, B, C, D	General information (Krikovszky D.)	Fluid therapy (Ádám/Lódi, Mahdi)	Neonatology (Seri I.)		Cardiology (Horváth Zs.)
9:30-10:15		9:30-9:45 Safety education (Agócs)	Resuscitation (Legeza/Ádám)			
10:15-10:30						
10:30-12:00	A	(A, B, C, D) 10:00-10:30 Introduction to pediatrics 10:00-11:15	A, Cardiology (Horváth Zs.)	Interactive case reports about emergency (Becsei)		A, Emergency (monitoring, oxygen, Astrup...) Tian
	B	Normal development, physical examination (Arató A.)	B, Emergency (monitoring, oxygen, Astrup...) Legeza			B, Local skill (Berta/Agócs/Elblinger/Muzslay)
	C	(A, B, C, D) 11:15-12:00	Practical skills (Horváth É/Rohács/Mikó)	C, Cardiology (Horváth Zs.)		C, Pulmonology (Hérák)
	D	Communication in Pediatrics (Várnai)		D, PIC (Barndt)		D, Cardiology (Tölgyesi)
12:00-12:45						

12:45-14:15	A	A, Examination of normal child and infant (normal status, percentile) - diabetology (Tél)	A, Pulmonology (Boczkó)	A, SKILL (Tian/Rohács/Horváth É/Seidl)		A, Local skill (Berta/Agócs/Elblinger/Muzslay)
	B	B, 12:45-13:30 Presentation of the clinic (Bojtár) 13:30-14:15 Fever (Vicenc)	B, Infancy (Bojtár)	B, SKILL (Tian/Rohács/Horváth É/Seidl)		B, Nephrology (Mikes)
	C	C, Local skill (Berta/Agócs/Elblinger/Muzslay)	C, Examination of normal child and infant (Perneczki)	Interactiv case reports about emergency (Bednárík)		C, PIC (Szász)
	D	D, 12:45-13:30 Presentation of the clinic (Bojtár) 13:30-14:15 Fever (Vicenc)	D, Gastroenterology (Prehoda)			D, Emergency (monitoring, oxygen, Astrup...) Legeza
14:15-14:30						
14:30-16:00	A	A, 14:30-15:15 Presentation of the clinic (Mikó Á) 15:15-16:00 Fever (Vicenc)	A, Infancy (Zsidegh)	Practical skills (Horváth É/Rohács/Mikó)		
	B	B, Examination of normal child and infant (normal status, percentile) - nephrology (Péter R)	B, Hepatology (Hazay)			
	C	C, 14:30-15:15 Presentation of the clinic (Mikó Á?) 15:15-16:00 Fever (Vicenc)	C, Emergency (monitoring, oxygen, Astrup...) Bednárík	C, SKILL (Tian/Rohács/Horváth É/Seidl)		
	D	D, Local skill (Berta/Agócs/Elblinger/Muzslay)	D, Examination of normal child and infant - USI (Vicenc)	D, SKILL (Tian/Rohács/Horváth É/Seidl)		

		2. Week
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	Groups	Monday	Tuesday	Wednesday	Thursday	Friday	
8:45-9:30	A, B, C, D	Nephrology (Mikes)	Pulmonology (Czövek)	Child psychiatry (Pászthy B.)		Infectology (Kis A.)	
9:30-10:15			GP (Bence Zs.)				
10:15-10:30 break							
10:30-12:00	A	(A,B,C,D) 10:30-11:15 Fever, antipiretic treatment, febrile seizure (Vicenc)	Surgery (Nagy Cs., Pápai, Tallós)	A, Pulmonology (Krikovszky)		A, Infectology (Farkas F.B.)	
	B			B, Gastroenterology (Arató)		B, Cardiology (Bokodi)	
	C			(A,B,C,D) 11:15-12:00 Laboratory diagnosis (Kenesei)	C, Emergency (Hegedüs P.)		C, ICU (Ádám)
	D			D, Infectology (FFB)		D, Hepatology (Dezsőfi)	
12:00-12:45 break							
12:45-14:15	A	A, Hepatology (Dezsőfi)	Differential diagnostic workshop (Székács, Boczkó)	A, Gastroenterology (Cseh)		A, PIC	
	B	B, Infectology (Kiss)		B, PIC		B, Emergency (Vojcek)	
	C	C, Infancy (Kincs)	C, Diabetology (Tél)	Differential diagnostic workshop (Székács, Boczkó)		C, Nephrology (Kaucsár)	
	D	D, Nephrology (Péter R)	D, Gastroenterology (Arató)			D, Pulmonology (Czövek)	
14:15-14:30 break							
14:30-16:00	A		A, Emergency (Vojcek)	A, Nephrology (Mikes)			
	B		B, ICU (ITO)	B, Pulmonology (Boczkó)			
	C		C, Infectology (Kardics)	C, Gastroenterology (Arató)			
	D		D, Infancy (Ungvári-Veres A)	D, Diabetology (Botlik D)			
			3. Week				

		Monday	Tuesday	Wednesday	Thur sday	Friday
8:45-9:30	A, B, C, D	Oncology (Szabó S)	Hepatology (Dezsőfi)	Gastro (Cseh Á.)		Endocrinology/ Diabetology (Halász/Tóth- Heyn/Luczay)
9:30-10:15		Hematology (Müller)		Gastro (Arató A.)		
10:15-10:30 break						
10:30-12:00	A	Hematology (Benyó)	Surgery of facial developmental disorders (Nagy K.)	A, Neonatal surgery (Vicenc)		A, Infancy (Kincs)
	B			B, Infancy (Zsidegh)		B, Diabetology (Botlik D)
	C	Oncology (Brückner)	Allergology (Balogh Á) (Koós)	C, Surgery (Nagy Cs., Pápai, Tallós)		C, Neonatal surgery (Elblinger)
	D			D, Diabetology (Tél)		D, Emergency (Vojcek)
12:00-12:45 break						
12:45-14:15	A	Reumatology (Horváth Zs)	A, Surgery (Nagy Cs., Pápai, Tallós)	12:45-14:15 Pulmonology (Krikovszky)		Metabolic disorders (Zsidegh P.)
	B		B, Neonatal surgery (Vicenc)			
	C	Neurology (Farkas K)	Metabolic disorders (Zsidegh P.)	13:30-14:15 Microbiom (Arató)		C, Diabetology (Botlik)
	D					D, Neonatal surgery (Szűcs- Székács)
14:15-14:30 break						
14:30-16:00	A	Neurology (Kiss T)		A, Nephrology (Mikes)		
	B			B, Surgery (Nagy Cs., Pápai, Tallós)		
	C	Reumatology (Ponyi)		C, Infectology (Kardics)		
	D			D, Infancy (Bojtár)		

		4. Week				
		Monday	Tuesday	Wednesday	Thursday	Friday

8:45-9:30	ABC D	Dermatology (Plázár D.)	Genetic disorders (Tory K.)	Exam
9:30-10:15		Interactiv case reports (Seri I.)		
10:15-10:30 break				
10:30-12:00	A	Radiology (Várkonyi)	A, Diabetology (Mikó)	
	B		B, Pulmo (Czövek)	
	C		C, Infancy (Kincs)	
	D		D, ICU (ITO)	
12:00-12:45 break				
12:45-14:15	A	A, ICU (ITO)	Consultation about topics, questions (Arató) (Koós)	
	B	B, Infectology (Kiss)		
	C	C, Hepatology (Dezsőfi)	Practical exam	
	D	D, Surgery (Nagy Cs., Pápai, Tallós)		

5. Week: Exam

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:

It is compulsory to bring a phonendoscope for the practices, without a phonendoscope the practices will not be considered as completed. Students will record their attendance on an individual practical attendance sheet. Attendance is certified by the instructor with stamp and signature. Absence and makeup are based on the Study and Examination Regulations.

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)

Following each teaching week, you are required to complete the assignments based on that week's material on the Moodle platform.

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

Please see point 25.

Requirements for the successful completion of the course:

Based on Study and Examination regulations.

Type of assessment:

terminal examination

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

Exam requirements:

● **Practical exam:** bedside examination, during which the trainer asks you about your basic knowledge of practical paediatric patient care.

Pediatrics 5th year semi final topic list (2 topics from the list)

1. Definitions in perinatology, gestational and mortality data, birth related concepts
2. Aspects of newborn care, Apgar scoring system
3. Physiologic growth, anthropometric features, normal development from newborn to school age
4. Nutrition and feeding of a healthy infant and child, nutrition and feeding of premature babies, energy needs. Physiologic growth of a healthy infant
5. Newborn and genetic screening, prevention
6. Neonatal respiratory adaptation disorders and lung disease
7. Neonatal infections
8. Neonatal jaundice

9. Complications of prematurity (BPD, ROP, NEC, IVH)
10. Sudden infant death syndrome (SIDS), infant mortality, demographic data
11. Neonatal and infant CPR (cardiopulmonary resuscitation)
12. Meconium ileus, intestinal atresia, pyloric stenosis, diaphragmatic hernia
13. Ileus, intussusception, volvulus, incarcerated hernia, appendicitis.
14. Obstipation. Hirschsprung disease.
15. Testicular and ovarian torsion. Cryptorchism.
16. Coagulopathies
17. Anaemia: signs and symptoms and evaluation
18. Leukaemia.
19. Prevention of infectious diseases. Vaccination
20. Signs of sepsis. Management of sepsis in the first few hours
21. Herpes virus infections
22. Measles, rubella, scarlet fever
23. Systemic autoimmune disease
24. Allergic disease in infancy and childhood. Definition of atopy
25. Diseases affecting the ear
26. Pneumonia. Age related most common pathogens
27. Cystic fibrosis.
28. Obstructive bronchitis, asthma bronchiale, acute subglottic laryngitis
29. Alarming signs of CNS diseases. Necessary examinations. Lumbar puncture
30. Inflammatory disease of the nervous system
31. Facial nerve palsy
32. Seizures in childhood. Febrile seizure
33. Diabetes mellitus. Treatment of diabetic ketoacidosis
34. Congenital adrenal hyperplasia

35. Disease of the thyroid gland
36. Endocrine disorders of calcium and phosphate metabolism. Rickets.
37. Growth disorders (short stature, tall stature)
38. Disorders of pubertal growth and sexual maturation
39. Henoch-Schönlein purpura
40. Kawasaki syndrome, MISC.
41. Urinary tract infection. (localization, course of the disease, treatment, complications)
42. Congenital disorders of the kidney and urinary tract
43. Glomerular kidney disease
44. Nephrosis syndrome
45. Cyanotic congenital heart disease
46. Acyanotic congenital heart disease
47. Malabsorption. Celiac disease
48. Cholestatic liver disease in childhood
49. Hepatitis in childhood
50. Most common infectious enteritis
51. Inflammatory bowel disease: ulcerative colitis, Crohn's disease
52. Alarming signs of abdominal diseases
53. Enuresis. Polyuria and polydipsia
54. Oedema
55. Acid-base homeostasis, treatment of acid-base balance disorders
56. Fever, management of fever, antipyretics

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.

PEDIATRICS Course material – Faculty of General Medicine 5th year

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)

Practical mark: passed/not passed

Final mark is assessed by a five-level mark (excellent (5), good (4), average (3), fair (2), unsatisfactory (1) based on the oral exam.

No possibilities for offered grades.

No possibilities for offered grades.

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

The use of learning aids supported by artificial intelligence is permitted; however, they are not considered official sources of information or educational material and may not be used during the exams.

List of coursebooks, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical and other applicable study aids; possibility of individual or group student consultation, if available:

Online resources:

Type	Recommended
Title	
Link	Illustrated Textbook of Paediatrics (Fourth Edition), Seminars, Case Reports, Picture collection on Moodle: https://itc.semmelweis.hu/moodle/course/view.php?id=2724

Type	Recommended
Title	PEDIATRICS Course material – Faculty of General Medicine 5th year
Link	https://itc.semmelweis.hu/moodle/pluginfile.php/593880/mod_resource/content/1/ANGOLegyetemijegyzettiszt%C3%A1zott.pdf

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

Signature of the director of the host institution:

Date of submission:
