



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE
PHASE 6
ENGLISH MEDICINE PROGRAM**

**COURSE of PEDIATRICS
COURSE GUIDEBOOK**

PREFACE

Dear Students,

Welcome to the Pediatrics course which is an important part of your education.

This guide describes what you will learn and perform during your course, the rules you must follow in our clinic, and the working conditions. We wish you all success with the belief that this guide will guide you sufficiently through your course studies.

Department of Pediatrics

GENERAL INFORMATION on COURSE

Course Title	: Pediatrics
Main Department of Course	: Internal Medical Sciences
Department Responsible for Course	: Pediatrics
Course Code	: MED-6003
Course Topic Code	: MED-
Course Type	: Required
Duration of the Course	: 2 months
Teaching Method of the Course	: Formal
ECTS	: 10
Language	: English

TEACHING METHODS-TECHNIQUES

a. Applied training methods

- ✓ Inpatient bedside (service) trainings / Inpatient bedside (service) practical applications
- ✓ Participation in outpatient services / Practical applications at the outpatient clinic
- ✓ Bedside Training / Practical Practices at the Bedside
- ✓ Instructor visits (Story taking, file preparation and presentation, interactive discussion, monitoring)
- ✓ Medical record keeping and evaluation practices
- ✓ Participation in Branch Informatics Applications

b. Interactive learning activities:

- ✓ Meetings, panels, group discussions,
- ✓ Case-based discussion sessions, problem-based training sessions with small groups, critical situation discussions, councils, gamification, structured case discussions,
- ✓ Readings and interpretations of works/articles

c. Vocational Skills applications

- ✓ The minimum number of practices/studies required for reinforcing the proficiency gained in the previous education periods in the defined vocational skills is determined and it is ensured that each intern does it.

d. Teamwork

e. Independent learning

- ✓ Independent working hours

f. Other Educational Events

- ✓ Clinical Case Reports
- ✓ Article Presentations
- ✓ Seminar/Lesson Presentations
- ✓ Literature Presentations
- ✓ Research and Presentation

PHYSICAL SPACES

Teaching Activity	Physical Space	Explanation
Theoretical lessons	The classroom determined by the Dean's Office will be notified to the course group representative.	Morphology Building ground floor classrooms
Inpatient bedside practice	Pediatric services, neonatal and general pediatric intensive care services	Hospital Building 2nd floor
Policlinic	Cardiology, Nephrology, Endocrinology and Metabolic Diseases, General Pediatrics, Nephrology, Allergy, Neurology, Hematology Polyclinics	
Case analysis	Classroom where theoretical lessons are held	
Problem-based teaching	Classroom where theoretical lessons are held	
Special audit applications	Angiography, hematological examinations	Places of the relevant departments in the Hospital Building
Community based educational activities	General Pediatrics Polyclinics	

RELATED LEGISLATION

<http://www.tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

AIM(S) of the COURSE

1	In Phase VI Pediatrics course, it is aimed that the students be able to provide health services without assistance in the light of the theoretical and practical knowledge gained in the previous periods.
2	In this course, it is aimed that students be able to take medical history from pediatric patients and their families, perform physical examination, keep patient records, provide patient care and present the patient, evaluate medical materials and reports, discuss and evaluate patients' diagnosis and treatment methods, and prepare and present articles and seminars.
3	In addition, in this course, it is aimed that the students learn to establish healthy communication with patients and their relatives, faculty members, physicians, nurses and other healthcare professionals within ethical frameworks.

OBJECTIVE(S) of the COURSE

1	To be able to obtain medical history from pediatric patients and their families.
2	To be able to perform physical examinations of pediatric patients.
3	To be able to request all appropriate and necessary laboratory tests.
4	To be able to interpret medical history, physical examination and laboratory findings.
5	To be able to plan the treatment, to be able to inform the families about the disease.
6	To be able to keep patient records, to be able to record the changes that occur during diagnosis and treatment in patients' files on a daily basis.
7	To be able to provide advice on child nutrition and vaccination.
8	To be able to count the motor and mental development stages of children chronologically, to be able to detect deviations from normal.
9	To be able to enable the mother to practice breastfeeding.
10	To be able to perform simple interventions (injection, blood collection, vascular access, nasogastric and orogastric catheter insertion, urinary catheterization, airway patency, lumbar puncture, etc.) and care for pediatric patients.
11	To be able to diagnose and treat patients, to be able to evaluate whether the treatment is going well or not.
12	To be able to read, present and interpret articles published in international journals for pediatric patients.
13	To be able to explain how to intervene in diseases that will be encountered frequently in the society and what to pay attention to in preventive medicine.

INTENDED LEARNING OUTCOME(S)

1	Can obtain medical history from pediatric patients and their families.
2	Can perform physical examinations of pediatric patients.
3	Can request all appropriate and necessary laboratory tests.
4	Can interpret medical history, physical examination and laboratory findings.
5	Can plan the treatment, can inform the families about the disease.
6	Can keep patient records, can record the changes that occur during diagnosis and treatment in patients' files on a daily basis.
7	Can provide advice on child nutrition and vaccination.
8	Can count the motor and mental development stages of children chronologically, can detect deviations from normal.
9	Can enable the mother to practice breastfeeding.
10	Can perform simple interventions (injection, blood collection, vascular access, nasogastric and orogastric catheter insertion, urinary catheterization, airway patency, lumbar puncture, etc.) and can care for pediatric patients.
11	Can diagnose and treat patients, can evaluate whether the treatment is going well or not.
12	Can read, present, and interpret articles published in international journals for pediatric patients.
13	Can explain how to intervene in diseases that will be encountered frequently in the society and what to pay attention to in preventive medicine.

DUTIES AND RESPONSIBILITIES OF STUDENTS and OTHER ISSUES

Please read: MSKU Medical Faculty Pre-Graduation Education Rules, Students' Responsibilities and Duties (MSKÜ Tıp Fakültesi Mezuniyet Öncesi Eğitiminde Öğrencilerin Uyması Gereken Kurallar, Öğrencilerin Sorumlulukları ve Görevleri)

Web Site: <https://tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

RECOMMENDED RESOURCE(S)

KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
1. Pediatri (1.-2. Cilt) Olcay Neyzi / 4.Baskı. Marka: Nobel Tıp Yayıncılık	
2. Nelson Textbook of Pediatrics (1, 2). (Eds) Robert M. Kliegman, MD, Bonita M.D. Stanton, Joseph St. Geme M.D, 20th Edition. 2017.	
3. Nelson Pediatriinin Temelleri. (Eds.) Karen J. Marcante ve Robert M. Kliegman. Çeviri baskı: Prof. Dr. Murat YURDAKÖK	

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
1. Uptodate	
2. Pubmed	
3. Pediatriinin Esasları. Prof.Dr.Tülay Erkan	
4. Çocuklarda Anemnezden Tanıya. Prof.Dr.Cengiz Yakıncı	
5. Çocuklarda Öykü Alma ve Fizik Muayene. Prof.Dr.Ergün Çil	

ASSESSMENT and EVALUATION

Phase 6 Student Internship Success Criteria: (All criteria must be met)

1. The student must fulfill the internship continuity criteria.
2. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful.
3. Candidate Physician Logbook scoring of 60 and above is considered successful.

Faculty of Medicine
English Medicine Program
Phase 6
Pediatrics Course
Competence Matrix

Course	PO1	P02	PO3	PO4	PO5	P06	P07	P08	P09	PO10	PO11	PO12	PO13
Pediatrics	5	5	4	4	1	1	3	2	2	1	2	4	4

* Completed according to the following program outcomes. (Score from 0 to 5.)

PO: Program Outcomes of Faculty of Medicine

PO Link: <https://muweb.mu.edu.tr/tr/program-yeterlilikleri-6598?site=tip.mu.edu.tr>

CANDIDATE PHYSICIAN QUALIFICATION CERTIFICATE

MUGLA SITKI KOCMAN UNIVERSITY MEDICAL SCHOOL PEDIATRICS INTERNSHIP CANDIDATE PHYSICIAN QUALIFICATION CERTIFICATE		
Student's name and surname: Number:		Beginning:/...../..... End: .../..../.....
A	Participation in Internship Training Programs (25 points) <ul style="list-style-type: none"> ✓ Seminar, article, case report etc. ✓ Report-Homework Preparation etc. ✓ Research etc. 	
B*	Internship Logbook Score (50 points) * <ul style="list-style-type: none"> ✓ Fulfilling the applications specified in the internship logbook in the desired number and level etc. 	
C	Fulfilling Intern Physician Work Responsibilities: (25 points) <ul style="list-style-type: none"> ✓ Learning the seizure system, taking over, and transferring patients, obeying the hours ✓ Service Activities ✓ Polyclinic Activities ✓ Fulfillment of assigned tasks ✓ Adaptation and Participation in Teamwork ✓ Communication with patients and their relatives ✓ Compliance with working hours etc. 	
CONTINUITY:		Continuous (....)
RESULT:		Discontinuous (.....)
EVALUATION SCORE: (With numbers and text)		HEAD OF DEPARTMENT
Score: (out of 100)		Date: Signature:
INTERNSHIP COORDINATOR ACADEMIC STAFF: Date: Signature:		
Phase 6 Student Internship Success Criteria: (All criteria must be met) <ol style="list-style-type: none"> 4. The student must fulfill the internship continuity criteria. 5. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful. 6. Candidate Physician Logbook scoring of 60 and above is considered successful. 		
* Half of the Candidate Physician Internship Logbook Score must be reflected in the B field.		

CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK

MUGLA SITKI KOCMAN UNIVERSITY MEDICAL SCHOOL PEDIATRICS CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK			
Student's name and surname:		Number:	
Beginning:/...../.....		End:/...../.....	Level
			Performed
1.	Patient file preparation, patient emergency card preparation	4	
2.	Taking a history, performing physical examination, presenting to the consultant, and following up	4	
3.	Requesting rational laboratory and imaging examination	4	
4.	Filling out the request form for laboratory examination	4	
5.	Applying the principles of working with biological material	4	
6.	Obtaining a biological sample from the patient	3	
7.	Taking the laboratory sample under appropriate conditions and deliver it to the laboratory	4	
8.	Evaluating frequently requested laboratory results (interpreting them as normal and pathological), planning further investigations if necessary	4	
9.	Requesting the planned examinations from the relevant units by arranging them with sufficient medical explanation	4	
10.	Providing decontamination, disinfection, sterilization, antisepsis	4	
11.	Reading and evaluating direct radiographs	3	
12.	Plain X-ray evaluation (Abdominal, bone etc.) Chest X-ray evaluation	3	
13.	Developing a differential diagnosis	4	
14.	Measuring, performing and evaluating blood sugar with a glucometer	4	
15.	Vascular access, Venous blood collection	4	
16.	Ability to inject IM, IV, SC, ID	4	
17.	Urinary catheter placement	4	
18.	Culture (Throat, urine and blood)	4	
19.	Performing and evaluating peripheral smear	3	
20.	Measuring and evaluating bleeding time	2	
21.	Receiving heel blood	4	
22.	Performing and evaluating full urine analysis (including microscopic examination)	4	
23.	Monitoring growth and development in children (percentile curves, tanner rating)	3	
24.	Evaluating anthropometric measurements	3	
25.	Baby Health Monitoring	4	
26.	Exercise and physical activity	4	
27.	Healthy eating	4	
28.	Preparing a vaccination schedule Immunization-childhood	4	
29.	Providing protection and transportation in accordance with the cold chain	3	
30.	Child newborn examination	4	
31.	Follow-up and periodic health examinations (newborn, childhood) at different stages of life	4	
32.	Developmental hip dysplasia screening program	4	

33.	Vision screening programs	4	
34.	Hearing screening programs	4	
35.	Neonatal metabolic and endocrine disease screening program	4	
36.	Newborn resuscitation	2	
37.	Emergency patient evaluation and determination of priorities (history, physical examination and laboratory)	4	
38.	Emergency patient separation (triage)	4	
39.	Appropriate approach to environmental emergencies (Hypothermia, lightning strikes, drownings)	3	
40.	Diagnosis, grading and planning treatment of malnutrition and dehydration	3	
41.	Making pediatric emergency patient management decisions (vital patient decision, laboratory imaging planning, other unit counseling support, etc.)	3	
42.	Diagnosing the patient with circulatory failure, to define and manage the exacerbation.	4	
43.	Defining the diagnosis, exacerbation of the patient in respiratory distress/insufficiency and plan the management.	4	
44.	Applying oxygen nebulization therapy	3	
45.	Providing basic life support (heart massage and artificial respiration)	4	
46.	Patient treatment and rational drug treatment planning, prescription preparation	3	
47.	Applying the principles of rational drug use	4	
48.	Treatment planning and prescription	4	
49.	Administering oral, rectal, vaginal and topical drugs	3	
50.	Preparing a treatment refusal document	4	
51.	Preparing epicrisis	4	
52.	Preparing a health report in accordance with the current legislation, to make a notification	3	
53.	Reporting and notification of legally notifiable diseases and conditions	4	
54.	Applying the principles of evidence-based medicine in clinical decision making	3	
55.	Providing sufficient and understandable information to the patient and his/her relatives about the disease	4	
56.	Providing accurate and sufficient information to the patient and/or patient relatives about possible interventions/treatment options, obtaining consent for treatment	4	
57.	Communicating effectively with the work team, colleagues and trainers	4	
58.	Internship-specific item*		
59.	Internship-specific item*		
60.	Internship-specific item*		
RESULT:	EVALUATION SCORE:	INTERNSHIP COORDINATOR	HEAD OF DEPARTMENT
Successful (...)	(With numbers and text)	ACADEMIC STAFF:	
	Score: (out of 100)	Date:	Date:
Unsuccessful (.....)		Signature:	Signature:
Phase 6 Student Internship Success Criteria: (All criteria must be met)			
1. The student must fulfill the internship continuity criteria.			
2. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful.			
3. Candidate Physician Logbook scoring of 60 and above is considered successful.			
*The Department can remove the item(s) from the Internship Logbook and/or add the item(s)			

specific to the internship by specifying the level to the Internship Logbook. It is recommended that the department check that all NCEP-2020 Basic Medicine Practices and levels related to the internship are stated in the Internship Logbook.

LEARNING LEVEL OF BASIC MEDICAL PRACTICES*	
Level	Explanation
1	Knows how the application is done and explains the results to the patient and / or their relatives
2	Makes the application in accordance with the guide / directive in an emergency
3	Makes the application* in uncomplicated, common, cases/cases
4	Makes the application** including complex situations/phenomenons
*Denotes the minimum level of performance, and therefore learning, that a physician who graduated from the faculty of medicine should exhibit during basic medicine practices. It is determined separately for each skill/application in the minimum level list. The faculties ensure that each student is able to perform the medical practice in question at the minimum level determined during the education period they apply.	
** Makes the preliminary evaluation/evaluation, creates, and implements the necessary plans, and informs the patient and their relatives/society about the process and its results.	
*Source: NCEP 2020	