

COURSE INFORMATION					
Course Title	Code	Semester	Lecture+Practice+Labrotory Hour	Credits	ECTS
Pediatric Surgery (Clinical Clerkship)	MED509	5/9-10	23+21	3	3*

* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

Prerequisites	The student that joins this course, should have at least the Phase 5 knowledge level in medical faculty.
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Language of Instruction	English
Course Level	Second-cycle higher education (i.e. QF-EHEA-2, EQF-LLL-7, TYYÇ-7) with Master's Degree/ "Regulated Professions" legislation by EU 2005/36/EC Directive
Course Type	Compulsory
Course Coordinator	Şafak KARAÇAY, MD. Assoc. Prof
The instructors	Şafak KARAÇAY, MD. Assoc. Prof
Assistants	Affiliated Training Hospital Lecturers

Goals The course aims to equip the students with necessary knowledge, skills and attitudes to become familiar with the recognition, natural history, and general and specific treatment of those pediatric surgical conditions that one would expect to encounter in general medical practice in a community lacking the immediate availability of a pediatric surgeon.

For further details please see Academic Program Book of Phase V

	Monday (Y)	Tuesday (UH)	Wednesday (UH)	Thursday (Y)	Friday (YUH)	
Content	9:00-10:00	Clinical Experience (Inpatient) and Ward Round <i>Levent Elemen</i>	Clinical Experience (Inpatient) and Ward Round	General Case Study and Approach to pediatric Surgical and Urological Cases <i>Sefa SAĞ</i>	Independent Learning	
	10:15-11:00		Lecture Child and Surgery <i>Şafak Karaçay</i>			<i>Sefa SAĞ</i>
	11:15-12:00		Lecture Newborn as a Surgical Patient <i>Şafak Karaçay</i>			<i>Kaan Maşrabacı</i>
	12:00-13:00	Lunch	Lunch	Lunch	Lunch	Lunch

13-15:14:00	Lecture Abdominal Wall Defects and Umbilical Pathologies <i>Şafak Karaçay</i>	Lecture Head and Neck Pathologies <i>Kaan Maşrabacı</i>	Lecture Acute Abdomen in Children <i>Kaan Maşrabacı</i>	Lecture Nonobstructive Pediatric Urological Pathologies <i>Kaan Maşrabacı</i>	Independent Learning
14:15-15:00	Lecture Fetal Surgery <i>Şafak Karaçay</i>	Lecture Inguinal Pathologies of Children <i>Levent Elemen</i>	Lecture Surgical Pathologies of Lungs, Pleura and Diaphragm <i>Kaan Maşrabacı</i>	Lecture Trauma in Children <i>Levent Elemen</i>	
15:15-16:00	Independent Learning	Lecture Scrotal Pathologies of Children <i>Levent Elemen</i>	Lecture Burns in Children <i>Levent Elemen</i>	Lecture Obstructive Pediatric Urological Pathologies <i>Kaan Maşrabacı</i>	
	Monday (UH)	Tuesday (UH)	Wednesday (UH)	Thursday (UH)	
9:00-10:00	Clinical Experience (Inpatient) and Ward Round Sefa SAĞ	Clinical Experience (Inpatient) and Ward Round . Levent Elemen	Clinical Experience (Inpatient) and Ward Round Kaan Maşrabacı	Clinical Experience (Inpatient) and Ward Round Sefa SAĞ	
10:15-11:00	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	
11:15-12:00	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	
12:00-13:00	Lunch	Lunch	Lunch	Lunch	
13-15:14:00	Lecture GI Obstruction of Newborn Levent Elemen	Lecture Biliary Atresia and Obtr. Jaundice Sefa SAĞ	Lecture Hirschsprung's Disease and Constipation Sefa SAĞ	Independent Learning	
14:15-15:00	Lecture GI Obstruction of Newborn Levent Elemen	Lecture Surgical GI Bleeding in Children Sefa SAĞ	Lecture Solid Tumors in Children Sefa SAĞ		
					EXAM and Evaluation

	15:1 5- 16:0 0	Lecture Caustic Ingestions and Foreign Body Ingestions in Children Sefa SAĞ	Lecture Surgical GI Bleeding in Children Sefa SAĞ	Lecture Solid Tumors in Children Sefa SAĞ		
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Learning Outcomes <i>At the end of this term, the student should be able to:</i>	Program Learning Outcomes	Teaching Methods	Assessment Methods
1. Explain the causes of acute abdomen in children	1.1.9., 1.1.6.	1,2,3	A,C
2. Assess and compare hernias and common surgical problems of inguinal region	1.1.2., 1.1.9.	1,2,3	A,C
3. Explain causes of rectal bleeding in children	1.1.6., 1.1.8.	1,2,3	A,C
4. List the common anorectal problems	1.1.3, 1.1.6.	1,2,3	A,C
5. Describe the approach to the constipated child	1.1.2., 1.1.6., 1.1.9.	1,2,3	A,C
6. List the causes of non-bilious and bilious vomiting in children	1.1.2., 1.1.3., 1.1.6.,	1,2,3	A,C
7. List and describe the abdominal masses and solid tumors in childhood	1.1.12., 1.1.3., 1.1.6.	1,2,3	A,C
8. Describe the common neonatal surgical conditions	1.1.2., 1.1.6., 1.1.9.,	1,2,3	A,C
9. Assess the general approach to trauma and the multiply injured child	1.1.12., 1.1.3., 1.1.6	1,2,3	A,C
10. List the prenatal diagnosed disease related to the pediatric general and urological conditions	1.1.9.	1,2,3	A,C
11. List common pediatric urological conditions	1.1.3., 1.1.6	1,2,3	A,C
12. Describe surgical aspects in urinary tract infections in childhood	1.1.2., 1.1.6., 1.1.9.	1,2,3	A,C

13. Explain surgical fluid and electrolyte hemostasis	1.1.9., 1.1.10.	1,2,3	A,C
14. Describe congenital anomalies of genito-urinary tract	1.1.2., 1.1.6., 1.1.9.	1,2,3	A,C
15. Refer to a specialist when necessary	1.1.9., 1.2.2.,	1,2,3	A,C

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion
Assessment Methods:	A: Testing C: Presentation

COURSE CONTENT		
Week	Topics	Study Materials
1	Introductory Session (Introduction to Pediatric Surgery)	Materials for the course provided by the the instructor
1	Lecture Child and Surgery	Materials for the course provided by the instructor
1	Lecture Newborn as a Surgical Patient	Materials for the course provided by the instructor
1	Lecture Abdominal Wall Defects and Umbilical Pathologies	Materials for the course provided by the instructor
1	Lecture Fetal Surgery	Materials for the course provided by the instructor
1	Lecture Head and Neck Pathologies	Materials for the course provided by the instructor
1	Lecture Inguinal Pathologies of Children	Materials for the course provided by the instructor
1	Lecture Scrotal Pathologies of Children	Materials for the course provided by the instructor
1	Lecture Acute Abdomen in Children	Materials for the course provided by the instructor
1	Lecture Surgical Pathologies of Lungs, Pleura and Diaphragm	Materials for the course provided by the instructor
1	Lecture Burns in Children	Materials for the course provided by the instructor
1	Lecture Nonobstructive Pediatric Urological Pathologies	Materials for the course provided by the instructor

1 Lecture Trauma in Children	Materials for the course provided by the instructor
1 Lecture Obstructive Pediatric Urological Pathologies	Materials for the course provided by the instructor
2 Lecture GI Obstruction of Newborn	Materials for the course provided by the instructor
1 Lecture Caustic Ingestions and Foreign Body Ingestions in Children	Materials for the course provided by the instructor
1 Lecture Biliary Atresia and Obstructive Jaundice	Materials for the course provided by the instructor
2 Lecture Surgical GI Bleeding in Children	Materials for the course provided by the instructor
1 Lecture Hirschsprung's Disease and Constipation	Materials for the course provided by the instructor
2 Lecture Solid Tumors in Children	Materials for the course provided by the instructor
15 Lecture Clinical Experience (Inpatient) and Ward Round	Materials for the course provided by the instructor
2 Lecture Program Evaluation Session	Materials for the course provided by the instructor

RECOMMENDED SOURCES	
Textbook	1-Pediatric Surgery Mark M. Ravitch
	2- Çocuk Cerrahisi Ders Notları _A. Can Başaklar
Additional Resources	Lecture notes

MATERIAL SHARING	
Documents	Photocopy shareable.
Assignments	Not Shareable
Exams	Not shareable

ASSESSMENT	
Questions Types (Pencil-Paper Tests)	Proportion (in Pass/Fail Decision) Questions Types (Pencil-Paper Tests)

Multiple Choice Questions	%60	Multiple Choice Questions
Total	%60	Total
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)	Other Assessment Methods and Tools
Evaluation of Student's Seminar (Without Checklist)	%40	Evaluation of Student's Seminar (Without Checklist)
	Total %40	Total
Pass/Fail Decision	Proportion (in Pass/Fail Decision)	Pass/Fail Decision
Pencil-Paper Tests	%60	Pencil-Paper Tests
Other Assessment Methods and Tools	%40	Other Assessment Methods and Tools
	Total %100	Total

COURSE CATEGORY

Compulsory

COURSE'S CONTRIBUTION TO PROGRAM

No	Program Learning Outcomes	Contribution				
		1	2	3	4	5
1.1.2	employs a patient-centered approach in patient management.					x
1.1.3	recognizes most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.				x	
1.1.5	does general and focused physical and mental examination.				x	
1.1.6	interprets findings in medical history, physical and mental examination.				x	
1.1.7	employs diagnostic procedures that are used frequently at the primary health care level.		x			
1.1.9	makes clinical decisions using evidence-based systematic data in health care service.		x			
1.1.12	keeps medical records in health care provision and uses information systems to that aim.					x
1.2.1	throughout his/her career, communicates effectively with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals, organizations and institutions.			x		
1.2.2	collaborates as a team member with related organizations and institutions, with other professionals and health care workers, on issues related to health.				x	
1.2.3	recognizes the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.				x	
1.2.4	communicates with all stakeholders taking into consideration the socio-cultural diversity.					x
2.1.1	performs medical practices in accordance with the legal framework which regulates the primary health care service.					x

2.2.1	recognizes basic ethical principles completely, and distinguishes ethical and legal problems.	x	
2.2.2	pays importance to the rights of patient, patient's relatives and physicians, and provides services in this context.	x	
2.5.2	displays a patient-centered and holistic (biopsychosocial) approach to patients and their problems.	x	

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity/ day	Duration (Hour)	Total Workload (Hour)
Course Duration (2 weeks)	10	4.5	45
Hours for off-the-classroom study (Pre-study, practice, review/week)	10	3	30
Homework	-	-	-
Exam	2	2	4
Total Work Load			79
Total Work Load / 30 (h)			2.63
ECTS Credit of the Course			3