

COURSE INFORMATION					
Course Title	Code	Semester	Lecture+Practice+Labrotory Hour	Credits	ECTS
Pediatric Surgery (Clinical Clerkship)	MED509	Phase 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 completed Phase 1, 2, 3 and 4 year courses of medical faculty.
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Compulsory
Course Coordinator	Şafak KARAÇAY, MD. Prof
The instructors	Şafak KARAÇAY, MD. Prof
Assistants	
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.

Learning Outcomes	Program Learning Outcomes	Teaching Methods	Assessment Methods
<i>At the end of this clerkship, the student should be able to:</i>			
1. Explain the causes of acute abdomen in children	1.1.8, 1.1.9., 1.1.6., 2.5.1, 2.5.2, 2.5.3	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	1.1.1, 1.1.2., 1.1.5., 1.1.7.,	1,2,3	A,C
7. List and describe the abdominal masses and solid tumors in childhood	1.1.2., 1.1.7., 1.1.5. 3.1.2, 3.1.3, 3.2.2	1,2,3	A,C
8. Describe the common neonatal surgical conditions	1.1.2., 1.1.5., 1.1.7.,	1,2,3	A,C
9. Assess the general approach to trauma and the multiply injured child	1.1.2., 1.1.3, 2.5.2	1,2,3	A,C
10. List the prenatal diagnosed disease related to the pediatric general and urological conditions	3.1.2, 3.1.3, 3.2.2	1,2,3	A,C
11. List common pediatric urological conditions	2.1.2, 2.1.3, 2.2.1	1,2,3	A,C
12. Describe surgical aspects in urinary tract infections in childhood	1.1.2., 1.1.5., 1.1.7	1,2,3	A,C
13. Explain surgical fluid and electrolyte hemostasis	1.1.7., 1.1.1.	1,2,3	A,C
14. Describe congenital anomalies of genito-urinary tract	1.1.2., 1.1.5., 1.1.7.	1,2,3	A,C
15. Refer to a specialist when necessary	1.1.7., 2.1.2.	1,2,3	A,C

Teaching Methods: 1: Lecture, 2: Question-Answer, 3: Discussion

Assessment Methods: A: Testing C: Presentation

Week

1	Introductory Session (Introduction to Pediatric Surgery)	Materials for the course provided by the the instructor
2	Lecture Newborn as a Surgical Patient	Materials for the course provided by the instructor
2	Lecture Inguinal and Genital Pathologies of Children	Materials for the course provided by the instructor
2	Lecture Acute Abdomen in Children	Materials for the course provided by the instructor
2	Lecture Obstructive and Nonobstructive Pediatric Urological Pathologies	Materials for the course provided by the instructor
2	Lecture Trauma in Children	Materials for the course provided by the instructor
2	Lecture GI Obstruction in Children	Materials for the course provided by the instructor
2	Lecture Solid Tumors in Children	Materials for the course provided by the instructor
8	Lecture Approach to Pediatric Surgical and Urological Cases	
15	Lecture Clinical Training (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

NCC 2014 – Essential Medical Procedures (National Core Curriculum)	Performance Level
General and symptom-based history taking	1
Abdominal physical examination	4
Consciousness assessment and psychiatric examination	3
Child and newborn examination	1
Digital rectal examination	4
Respiratory system examination	1
Urological examination	1
Starting IV line	1
Hand washing	4
Urinary catheterization	1
Administration of enema	1
Nasogastric catheterization	3
Superficial suturing and removal of sutures	1
Providing medical service in extraordinary situations	1

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

ASSESSMENT		
Questions Types (Pencil-Paper Tests)	Proportion (in Pass/Fail Decision)	Questions Types (Pencil-Paper Tests)
Multiple Choice Questions	%90	Multiple Choice Questions
Total	%90	Total
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)	Other Assessment Methods and Tools
Evaluation of Student's Seminar (Without Checklist)	%10	Evaluation of Student's Seminar (Without Checklist)
Total	%10	Total
Pass/Fail Decision	Proportion (in Pass/Fail Decision)	Pass/Fail Decision
Pencil-Paper Tests	%90	Pencil-Paper Tests
Other Assessment Methods and Tools	%10	Other Assessment Methods and Tools
Total	%100	Total

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

COURSE CATEGORY	Expertise / Field Courses
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COURSES CONTRIBUTION TO PROGRAM					
COMPETENCE AREA-1 / Professional Practices	Contribution				
COMPETENCE 1.1. Health Service Provider	1	2	3	4	5
Competency 1.1.1. Integrates knowledge, skills, and attitudes acquired from basic and clinical medical sciences, behavioral sciences, and social sciences to provide health services.		X			
Competency 1.1.2. Demonstrates a biopsychosocial approach that considers the individual's sociodemographic and sociocultural background without discrimination based on language, religion, race, or gender in patient management.				X	
Competency 1.1.3. Prioritizes the protection and improvement of individuals' and community's health in the delivery of healthcare services.		X			
Competency 1.1.4. Performs the necessary actions in the direction of maintaining and improving the state of health as considering the individual, social, social and environmental factors affecting health.					
Competency 1.1.5. Provides health education to healthy/ill individuals and their families, as well as to other healthcare professionals, by recognizing the characteristics, needs, and expectations of the target audience.				X	
Competency 1.1.6. Demonstrates a safe, rational, and effective approach in the processes of protection, diagnosis, treatment, follow-up, and rehabilitation in health service delivery.		X			
Competency 1.1.7. Performs interventional and/or non-interventional procedures safely and effectively for the patient in the processes of diagnosis, treatment, follow-up, and rehabilitation.					X
Competency 1.1.8. Provides healthcare services considering patient and employee health and safety.		X			
Competency 1.1.9. Considers changes related to the physical and socio-economic environment at both regional and global scales that affect health, as well as changes in the individual characteristics and behaviors of those who seek healthcare services.		X			
COMPETENCE AREA-2 / Professional Values and Approaches	Contribution				
COMPETENCE 2.1. Adopting Professional Ethics and Principles	1	2	3	4	5
Competency 2.1.1. Considers good medical practices while performing the profession.					
Competency 2.1.2. Fulfills duties and obligations within the framework of ethical principles, rights, and legal responsibilities required by the profession.		X			
Competency 2.1.3. Demonstrates determined behavior in providing high-quality healthcare while considering the patient's integrity.	X				
Competency 2.1.4. Evaluates own performance in professional practices by considering own emotions and cognitive characteristics.					
COMPETENCE 2.2. Health Advocate					
Competency 2.2.1. Advocates for the improvement of healthcare service delivery by considering the concepts of social accountability and social responsibility in the protection and enhancement of community health.	X				
Competency 2.2.2. Plans and implements service delivery, education, and counseling processes related to individual and community health, in collaboration with all stakeholders, for the protection and improvement of health.					
Competency 2.2.3. Evaluates the impact of health policies and practices on individual and community health indicators and advocates for the improvement of healthcare quality.					
Competency 2.2.4. Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.					
COMPETENCE 2.3. Leader-Manager					
Competency 2.3.1. Demonstrates exemplary behavior and leadership within the healthcare team during service delivery.					

Competency 2.3.2. Utilizes resources in a cost-effective, socially beneficial, and compliant manner with regulations in the planning, implementation, and evaluation processes of healthcare services as the manager in the healthcare institution.					
COMPETENCE 2.4. Team Member					
Competency 2.4.1. Communicates effectively within the healthcare team and takes on different team roles as necessary.					
Competency 2.4.2. Displays appropriate behaviors while being aware of the duties and responsibilities of healthcare workers within the healthcare team.					
Competency 2.4.3. Works collaboratively and effectively with colleagues and other professional groups in professional practice.					
COMPETENCE 2.5. Communicator					
Competency 2.5.1. Communicates effectively with patients, their families, healthcare professionals, and other occupational groups, institutions and organizations.	X				
Competency 2.5.2. Communicates effectively with individuals and groups who require a special approach and have different sociocultural characteristics.		X			
Competency 2.5.3. Demonstrates a patient-centered approach that involves the patient in decision-making mechanisms during the diagnosis, treatment, follow-up, and rehabilitation processes.	X				
COMPETENCE AREA-3 / Professional and Personal Development	Contribution				
COMPETENCE 3.1. Scientific and Analytical Approach	1	2	3	4	5
Competency 3.1.1. Plans and implements scientific research, as necessary, for the population it serves, and utilizes the results obtained, as well as those from other research, for the benefit of the community.					
Competency 3.1.2. Accesses and critically evaluates current literature related to their profession.		X			
Competency 3.1.3. Applies evidence-based medicine principles in the clinical decision-making process.		X			
Competency 3.1.4. Uses information technologies to enhance the effectiveness of healthcare, research, and education activities.					
COMPETENCE 3.2. Lifelong Learner					
Competency 3.2.1. Manages effectively individual study processes and career development.					
Competency 3.2.2. Demonstrates skills in acquiring, evaluating, integrating new information with existing knowledge, applying to professional situations, and adapting to changing conditions throughout professional career.		X			
Competency 3.2.3. Selects the right learning resources to improve the quality of health care and organizes the learning process.					

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