

Medicine			
Bachelor	TR-NQF-HE: Level 7	QF-EHEA: Second Cycle	EQF-LLL: Level 7

Course Introduction and Application Information

Course Code:	TIP409		
Course Name:	Pediatrics Internship Block		
Semester:	Fall		
Course Credits:	<div>ECTS</div> <div>15</div>		
Language of instruction:	Turkish		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	Compulsory Courses		
Course Level:	<div>Bachelor</div> <div>TR-NQF-HE:7. Master`s Degree</div> <div>QF-EHEA:Second Cycle</div> <div>EQF-LLL:7. Master`s Degree</div>		
Mode of Delivery:	Face to face		
Course Coordinator:	Prof. Dr. HİKMET KOÇAK		
Course Lecturer(s):	Prof. Dr. Ozan Özkaya Prof. Dr. Ceyhun Bozkurt Prof. Dr. Makbule Eren Prof. Dr. Nurdan Uraş Prof. Dr. Tülin Tiraje Çelkan Prof. Dr. Cengiz Kara Prof. Dr. Mahir İğde Prof. Dr. Yasemin Altuner		

	Torun Prof. Dr. Gül Nihal Özdemir Prof. Dr. Gülşen Köse Prof..Dr. Ayşenur Kaya Doç. Dr. Murat Sütçü Doç. Dr. Mehmet Taşdemir Doç. Dr. Emine Manolya Kara Dr. Öğr. Üyesi Cansu Aktaş Dr. Öğr. Üyesi Ayhan Yaman Dr. Öğr. Üyesi Fatih Atik Dr. Öğr. Üyesi Dilek Hatipoğlu Dr. Öğr. Üyesi İsmail Gönen Dr. Öğr. Üyesi Necla Yüce Dr. Öğr. Üyesi Doruk Gül
Course Assistants:	

Course Objective and Content

Course Objectives:	To enable students to know the characteristics of the healthy child, the growth and development stages, to apply preventive medicine measures, to make the pre-diagnosis or diagnosis of childhood diseases that may require urgent intervention, and to gain knowledge and skills to provide diagnosis and treatment services at the primary level.
Course Content:	It covers the preventive measures for the health of infants, children and adolescents from birth, and the diagnosis and treatment of common childhood diseases in the fields of Pediatric Cardiology, Pediatric Endocrinology and Diabetes, Metabolism and Nutrition, Pediatric Gastroenterology and Hepatology, Pediatric Nephrology, Pediatric Infectious Diseases, Pediatric Neurology, Pediatric Allergy, Pediatric Respiration, Neonatology, Pediatric Hematology and Oncology, Intensive Care Unit, Healthy Child Development and Nutrition, Social Pediatrics, Pediatric Immunology, Pediatric Rheumatology, in a way to cover the learning objectives specified in the Core Education Program.

Learning Outcomes

The students who have succeeded in this course;

- 1) Knows the indicators of child health and has a preventive medicine approach.
- 2) Uses resources rationally in diagnosis and treatment procedures.
- 3) Has the knowledge to examine the basic concepts of child health in ethical, deontological and legal terms and protects the patient and himself/ herself.
- 4) He / she can take a holistic approach to the problem, plan treatment, put the priorities and importance in order.
- 5) Knows the formation mechanisms of childhood diseases that are common in the society, organizes the diagnosis and treatment approach.
- 6) Knows the doses, effects and side effects of frequently used drugs according to age.
- 7) Knows the indications for hospitalization, guiding the patient and transferring the patient rules.
- 8) Being sensitive and communicating with the patient and the patient's relatives, gaining the ability to inform the family.
- 9) Takes a detailed history for the problem, conducts a physical examination, evaluates the findings, has the ability to synthesize, present and write an epicrisis.

Course Flow Plan

Week	Subject	Related Preparation
1)	Theoretical Courses Story Taking - I Story Taking - II Abdominal Examination Respiratory System Examination Head and Neck Examination Movement System examination	There is no preparation-

	Cardiovascular System Examination- I Cardiovascular System Examination- II Genitourinary System Examination Neuromotor Development-I Neuromotor Development - II Dermatological Examination Newborn Examination Evaluation of vital signs Healthy Child Follow-up Approach to the child with fever Movement System examination Approach to short stature Puberty disorders Evaluation of critical patients Chronic and Recurrent Abdominal Pain in Children Chronic diarrhea and malabsorption syndromes Basic life support Neurological Exam-1 Neurological Examination-II Urinary Tract Infections in Children Anemia classification and approach to anemia patient-I Classification of anemia and approach to patients with anemia-II Story Taking-III (Video training)	course material.
2)	Theoretical Courses Hemolytic Anemias Heart Failure in Children Hypotonic Infant Upper Respiratory Tract Infections Neonatal Jaundice Liquid-Electrolyte Disorders in Children- I Liquid-Electrolyte Disorders in Children- II Acid-Base Balance Disorders in Children - III Gastroesophageal Reflux, Peptic Diseases Approach to the child with GIS bleeding Vital signs and critical patient follow-up, Practical ECG Features in Childhood I ECG Features in Childhood II Acute Rheumatic Fever Cardiomyopathies Childhood Dysrhythmias Interactive Session: Prescribing Intravenous Fluid Therapy with Cases Practical training: Cardiovascular System Examination Abdominal Examination Basic life support Head and Neck Examination Respiratory System Examination Genitourinary System Examination Neurological Examination Vital signs and critical patient follow-up Movement system examination (Video Training) Case Discussion: with ECG examples Applied Training: Polyclinic / service work	There is no preparation-course material.
3)	Theoretical Courses: Childhood Vaccinations-I Childhood Vaccinations-II Interactive Discussion: Preparing a Vaccination Schedule Breastfeeding, Breast milk and formulas Complementary Nutrition Risky Situations and Danger Signs in Newborns Premature Baby Problems -I Premature Baby Problems -II Asthma diagnosis and treatment Diagnosis and Treatment of Pneumonia Childhood Seizures- I Childhood Seizures-II Genitourinary System Examination "Vital findings and critical patient follow-up" Rational Antibiotic Use Neonatal Metabolic Disorders Hypertension Urine examination Practical training: Cardiovascular System Examination Abdominal Examination Basic life support Head and Neck Examination Respiratory System Examination Genitourinary System Examination Neurological Examination Vital signs and critical patient follow-up Case Discussion: with ECG examples Applied Training: Polyclinic / service work	There is no preparation-course material.
4)	Theoretical Courses Acute Glomerulonephritis Nephrotic syndrome Connective Tissue Diseases Childhood Leukemias Childhood Lymphomas Cholestatic Diseases of Infants Acid and Portal Hypertension in Children Liver Failure and Hepatic coma Food and Drug Allergies Approach to the Patient with Bleeding Advanced Life Support for Children-I Advanced Life Support for Children-II Applied Training: Polyclinic / service work	There is no preparation-course material.
5)	Theoretical Courses Respiratory Problems in Newborns Newborn Sepsis Newborn Resuscitation and Transport Congenital Heart Diseases- I Congenital Heart Diseases- II Diagnosis and Treatment of Acute Kidney Failure in Children Adrenal Insufficiency Diabetes in Children and Adolescents Approach to the Child with Lymphadenopathy Childhood Solid Tumors Calcium Balance Disorders Central Nervous System Infection	There is no preparation-course material.

	and Meningitis Childhood Poisoning and Prevention Bone Marrow Failures Oncological Emergencies Applied Training: Polyclinic / service work	
6)	Theoretical Courses Cellular and Agent-specific immunodeficiencies Humoral Immune Deficiencies Periodic Fever Syndromes Hemoglobinopathies Intrauterine Infections Tubulointerstitial Diseases-I Tubulointerstitial Diseases-II Vitamin and mineral deficiencies I Vitamin and mineral deficiencies II Diagnosis and Treatment of Chronic Renal Failure in Children Diagnosis and treatment of bronchiolitis Approach to Metabolic Diseases Diabetes in Children and Adolescents Case Discussion: Blood count evaluation Applied Training: Polyclinic / service work	There is no preparation-course material.
7)	Theoretical Courses Mental Retardation Parasitic Diseases in Children Atopic Dermatitis and Allergic Rhinitis Recurrent Lung Infections Whooping Cough-Mumps Phacomatoses (Neurocutaneous syndromes) Postinfectious Nervous System Diseases Hypoxic Ischemic Encephalopathy Shock -I Shock -II Neonatal Convulsions Rash Diseases-I Birth Traumas Pericarditis, Endocarditis, Myocarditis Congenital Heart Diseases- II Case Discussion: Blood count evaluation Interactive Session: Peripheral Smear Assessment Applied Training: Polyclinic / service work	There is no preparation-course material.
8)	Theoretical Courses Approach to the Dysmorphic Child Approach to the Dysmorphic Child Childhood Tuberculosis Childhood Vasculitis-I Childhood Vasculitis-II Sudden Loss of Consciousness in Children Anaphylaxis Urticaria and Angioedema Intrauterine growth retardation Diabetic mother baby Cerebral palsy Childhood degenerative diseases Discussion with Faculty Member: Musculoskeletal System Infections Case Discussion - Newborn Thrombosis Nutritional Anemias Applied Training: Polyclinic / service work Interactive Session: Prescription in Nutritional Anemias with Cases Discussion with Faculty Member	There is no preparation-course material.
9)	Case Discussion: Interactive Discussion Approach to the Hematuric Patient-I Approach to the Hematuric Patient-II Discussion with Faculty Member Lecturer Discussion Lecturer Discussion Discussion with Faculty Member Discussion with Faculty Member Discussion with Faculty Member Discussion with Faculty Member Theoretical exam and oral exam	There is no preparation-course material.

Sources

Course Notes / Textbooks:	Dersin kaynak kitabı bulunmamaktadır. The course does not have a mandatory resource.
References:	<p>Dersin konuları ile ilgili güncel makaleler ve ders slaytları./Articles mentioned in the course related with topics and lecture slides.</p> <p>1-Nelson Textbook of Pediatrics, 2-Volume Set by Robert M. Kliegman MD and Joseph St. Geme MD May 3, 2019</p> <p>2-Temel Pediatri 2. Baskı (Milli Pediatri) Prof. Dr. Enver Hasanoğlu, Prof. Dr. Aysun Bideci, Prof. Dr. Ruhan Düşünsel, Prof. Dr. Koray Boduroğlu Isbn 10: 9752778062</p> <p>3-Pediyatri 2 Cilt - Olcay Neyzi 5.Baskı (9786053355472) Prof. Dr. Feyza Darendeliler , Prof. Dr.</p>

Olca Neyzi , Prof. Dr. Türkân Ertuğrul 5-Pediyatrıde Rutinler Editör: Ömer Devecioğlu, Agop Çıtak,
2014 6-Nelson Pediatrinin temelleri.Yazar: Karen J.Marcante, Çevirmen Murat Yurdağök

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5	6	7	8	9
Program Outcomes									
1) When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.									
2) knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.									
3) is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.									
4) knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.									
5) can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.									
6) knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.									
7) can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.									
8) knows the clinical decision-making process, evidence-based medicine practices and current approaches.									

Course Learning Outcomes	1	2	3	4	5	6	7	8	9
9) knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.									
10) knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.									
11) is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.									
12) knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.									
13) can collect health data, analyze them, present them in summary, and prepare forensic reports.									
14) knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.									
15) knows employee health, environment and occupational safety issues and takes responsibility when necessary.									
16) knows health policies and is able to evaluate their effects in the field of application.									
17) keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.									
18) applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.									

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest
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	Program Outcomes	Level of Contribution
1)	When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.	
2)	knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.	
3)	is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	
4)	knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.	
5)	can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.	
6)	knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	
7)	can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	
8)	knows the clinical decision-making process, evidence-based medicine practices and current approaches.	
9)	knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.	
10)	knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.	
11)	is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.	
12)	knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.	

13)	can collect health data, analyze them, present them in summary, and prepare forensic reports.	
14)	knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.	
15)	knows employee health, environment and occupational safety issues and takes responsibility when necessary.	
16)	knows health policies and is able to evaluate their effects in the field of application.	
17)	keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.	
18)	applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Final	1	% 65
Final Sözlü	1	% 35
total		% 100
PERCENTAGE OF SEMESTER WORK		% 35
PERCENTAGE OF FINAL WORK		% 65
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Workload
Course Hours	9	153
Application	9	76
Special Course Internship (Work Placement)	9	76
Presentations / Seminar	7	56
Final	1	8

Total Workload**369**