

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

Course Introduction and Application Information

Course Code:	TIP403		
Course Name:	Internship Block for Internal Diseases		
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. Şenol Kobak, Prof.Dr.N.Faruk Aykan, Prof.Dr. Tekin Akpolat, Prof.Dr. Alper Can, Prof. Dr.Taflan Salepçi, Prof. Dr. Canfeza Sezgin, Prof.Dr. Duygu Derin, Prof. Dr. Fatma Paksoy Türkoz,		

Prof. Dr .Binnur Şimşek, Prof.Dr. Emre Merdan Fayda, Doç.Dr.Hilmi Doğu, Dr.Öğr. Üyesi Hamit Cilveger, Dr. Öğr. Üyesi Himmet Bora Uslu, Dr.Öğr. Üyesi Ferda Kaya Zaman, , Dr.Öğr. Üyesi Ekrem Aslan

Course

Assistants:

Course Objective and Content

Course Objectives: According to the scope of the learning objectives specified in the core education program ensure that students should acquire the knowledge and skills to be able to diagnose important, common and basic internal diseases that may require urgent intervention; to treat these patients at the primary care level; and to make emergency interventions, and to send the patient to a specialist when necessary.

Course Content: Gastroenterology, Endocrinology, Nephrology, Hematology, Oncology, Rheumatology, Allergy and Immunology

Learning Outcomes

The students who have succeeded in this course;

- 1) With history taking, they will be able to question the symptoms of internal diseases, recognize these symptoms in the physical examination, request and interpret the necessary tests at the first stage, treat certain problems, determine which patient should be seen by a specialist.
- 2) Gain the skills to make differential diagnosis and diagnose by analyzing and synthesizing the signs and symptoms of gastrointestinal system diseases
- 3) Will be able to make differential diagnosis and diagnose by analyzing and synthesizing the signs and symptoms of endocrinology diseases and will be able to start the necessary treatment
- 4) Will be able to make differential diagnosis and make diagnosis by analyzing and synthesizing the symptoms and findings that occur in nephrology diseases, and will be able to send patients to the specialists after their first treatments.
- 5) Will be able to diagnose emergency internal diseases (such as diabetic ketoacidosis, non-ketotic hyperosmolar coma, adrenal insufficiency, hypercalcemia, hypocalcemia, oncological emergencies, hyperkalemia, intoxications, kidney failure, shock, gastrointestinal bleeding) and then send them to advanced centers under appropriate conditions.
- 6) Have knowledge about general hematological diseases, will be able to send the patients to the specialist by making the necessary preliminary interventions.
- 7) Have knowledge about oncological diseases, will be able to send patients to the specialist by knowing the clinical findings and risky groups in common cancers.
- 8) Have information about general rheumatological diseases, will be able to direct the patient to the specialist when necessary.
- 9) Will be able to recognize acid-base and fluid-electrolyte disorders, and make emergency interventions for treatment.
- 10) Understand the importance of good patient-physician and physician-physician communication and develop their skills.

Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to internal medicine and anamnesis Psoriatic arthritis Reactive arthritis Enteropathic arthritis Gastritis and peptic ulcer-Gastroparesis and stomach tumors GIS bleeding Esophageal motility disorders Applied Courses Urinary system examination Locomotor system examination- Abdominal examination Head and neck examination Urinary system examination Locomotor system examination- Abdominal examination Head and neck examination	There is no preparation-course material.
2)	Cancer etiology, risk factors and carcinogens Carcinogenesis and molecular mechanisms Basic principles in cancer immunotherapy Colorectal cancers Rheumatoid Arthritis Systemic Lupus Erythematosus Scleroderma Inflammatory Myositis Sjögren's syndrome Applied Courses (Group 2) Urinary system examination Urinary system examination Abdominal examination Head and neck examination Locomotor system examination Urinary system examination Head and neck examination: Abdominal examination Gastroesophageal reflux disease and other esophagitis Malabsorption, maldigestion, gluten enteropathy. Malignant diseases of the small intestine- Approach to anemias Case report	There is no preparation-course material.
3)	Hirsutism, Congenital Adrenal Hyperplasia, Polycystic Ovary Syndrome- Hypothalamus Hormones and Diseases- Hypopituitarism-Posterior Pituitary Diseases Acromegaly Small Diameter Vasculitis Medium vascular vasculitis Large Diameter Vasculitis Dyslipidemias and Their Treatment Acute Hepatitis Chronic hepatitis Functional anatomy of the liver, diagnostic methods Functional anatomy of the liver, diagnostic methods -1 Systemic diseases and liver Case Report Applied Courses: Polyclinic / Service	There is no preparation-course material.
4)	Hypertension Glomerular diseases Glomerular diseases Renal transplantation Introduction to allergy, anamnesis, diagnostic methods, Food allergy Urticaria, drug allergy and anaphylaxis Allergic rhinitis and asthma Latex allergies Inflammatory bowel diseases Other colitis- Microscopic, Diversion, Radiation, Ischemic, pseudomembranous Cholestasis and icterus Portal hypertension and its complications Applied Courses: Polyclinic / Service	There is no preparation-course material.
5)	Liver cirrhosis and its complications Acute liver failure and transplantation Targeted therapies in oncology Tubular diseases Hereditary kidney disease Kidney anomalies and cystic diseases Diarrhea and Constipation approach Irritable bowel disease and Diverticular disease Acid- differential diagnosis Drug-related hepatobiliary diseases Basics of radiation oncology Applied Courses: Polyclinic / Service	There is no preparation-course material.
6)	Geriatric syndromes Prolactinoma / Pheochromocytoma/ Rare syndromes in endocrinology Cushing's syndrome and Endocrine Hypertension Calcium metabolism and metabolic bone diseases Tubular diseases Drug use in kidney failure Acute kidney injury Oncological emergencies Clinic in Radiation Oncology Hereditary kidney disease Kidney	There is no preparation-course material.

	anomalies and cystic diseases Approach to the patient with edema Approach to the oliguric patient Pancreatitis Applied Courses: Polyclinic / Service	
7)	Liquid Electrolyte / Acid-Base Balance Liquid Electrolyte / Acid-Base Balance Chronic kidney disease Chronic kidney disease Myeloproliferative Diseases Thrombocytopenias-ITP Bleeding Diathesis Addison's Disease Case report Applied Courses: Polyclinic / Service	There is no preparation-course material.
8)	Hypothyroidism and hyperthyroidism Nodular Goiter and Thyroid Cancer Diabetes Mellitus: diagnosis, classification, clinical findings Diabetes Mellitus - Complications and treatment Obesity and its treatment-integrated session Multiple Endocrine Neoplasms Paraneoplastic syndromes and tumors of unknown primary origin Gynecological and urological tumors Pain management in cancer and palliative treatments Neuroendocrine tumors Screening methods in cancer and prevention from cancer Basic principles of chemotherapy and endocrine therapy in cancer Diagnostic methods in oncology Thoracic tumors Esophageal tumors Pancreatic tumors Applied Courses: Polyclinic / Service	There is no preparation-course material.
9)	Acute Leukemias Acute Leukemias Disseminated Intravascular Coagulation (DIC) Breast Cancers Multiple Myeloma (MM) - Lymphomas Lymphomas Upper GIS cancers Endocrine Emergencies ORAL&THEORIC EXAMINATION	There is no preparation-course material.

Sources

Course Notes / Textbooks:	Dersin kaynak kitabı bulunmamaktadır. The course does not have a mandatory resource.
References:	<p>1-Hasta Muayenesi ve Kliniğe Giriş, Gülbüz Gümüşi,2004 Ege Üniversitesi Tıp Fakültesi Yayınları, 2000,İzmir</p> <p>2-İç hastalıkları 1-2 Cilt Takım, İliçin-Bibereoglu,Süleymanlar-Üna, Güneş Tıp Kitabevi, 2012,Ankara,</p> <p>3- Cecil Essentials of Medicine.İç Hastalıkları :Ivor Benjamin, Çeviri Editörü Prof. Dr. Serhat ÜNAL, Güneş Tıp kitabevi</p> <p>4- İç Hastalıklarında Semptomdan Tanıya, İstanbul tıp kitabevi, Scott D. C. Stern,Akademik kitaplar,</p> <p>5-Harrison İç Hastalıkları Cep Kitabı, Uzm. Dr. Bulut Demirel , Doç. Dr. Aydın Çifci , Dr. Öğr. Üyesi Sema Avcı , Doç. Dr. Şadiye Visal Buturak, Nobel Tıp Kitabevi,2019</p> <p>6-The Merck Manual of Diagnosis and Therapy (İngilizce) Ciltli Kapak – 6 Nisan 2018</p> <p>7-Goldman-Cecil Medicine, 2-Volume Set (Cecil Textbook of Medicine) [Hardcover] Goldman MD, Lee and Schafer MD, Andrew I. (İngilizce)</p>

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5	6	7	8	9	10
Program Outcomes										

Course Learning Outcomes	1	2	3	4	5	6	7	8	9	10
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	2	2	2	2	2	2	2	2	3
2) knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.	3	3	3	3	3	3	3	3	3	1
3) is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	3	3	3	3	3	3	3	3	3	3
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.	3	3	3	3	3	3	3	3	3	1
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.	3	3	3	3	3	3	3	3	3	1
6) knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	2	2	2	2	3	2	2	2	3	1
7) can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	3	3	3	3	3	3	3	3	3	3
8) knows the clinical decision-making process, evidence-based medicine practices and current approaches.	3	3	3	3	3	3	3	3	3	2
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.	2	2	2	2	2	2	2	2	1	3
10) knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.	3	3	3	3	3	3	3	3	3	2

Course Learning Outcomes	1	2	3	4	5	6	7	8	9	10
11) is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.	3	3	3	3	3	3	3	3	3	3
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.	2	2	2	2	2	2	2	2	2	1
13) can collect health data, analyze them, present them in summary, and prepare forensic reports.	3	3	3	3	3	3	3	3	2	1
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.	3	3	3	3	3	3	3	3	3	2
15) knows employee health, environment and occupational safety issues and takes responsibility when necessary.	2	2	2	2	2	2	2	2	2	1
16) knows health policies and is able to evaluate their effects in the field of application.	2	2	2	2	2	2	2	2	2	2
17) keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.	3	3	3	3	3	3	3	3	3	2
18) applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.	2	2	2	2	2	2	2	2	2	3

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	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	2

	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
3)	is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	3
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.	3
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.	3
6)	knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	2
7)	can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	3
8)	knows the clinical decision-making process, evidence-based medicine practices and current approaches.	3
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.	2
10)	knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.	3
11)	is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.	3
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.	2
13)	can collect health data, analyze them, present them in summary, and prepare forensic reports.	3
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	3

	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.	2
16)	knows health policies and is able to evaluate their effects in the field of application.	2
17)	keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.	3
18)	applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.	2

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	109
Application	8	116
Special Course Internship (Work Placement)	8	78
Presentations / Seminar	9	72
Final	1	8
Total Workload		383