

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

Course Introduction and Application Information

Course Code:	TIP510						
Course Name:	Chest Diseases and Chest Surgery						
Semester:	Fall						
Course Credits:	<div>ECTS</div> <div>5</div>						
Language of instruction:	Turkish						
Course Condition:							
Does the Course Require Work Experience?:	No						
Type of course:	Compulsory Courses						
Course Level:	<table> <tr> <td>Bachelor</td><td>TR-NQF-HE:7. Master's Degree</td><td>QF-EHEA:Second Cycle</td><td>EQF-LLL:7. Master's Degree</td></tr> </table>			Bachelor	TR-NQF-HE:7. Master's Degree	QF-EHEA:Second Cycle	EQF-LLL:7. Master's Degree
Bachelor	TR-NQF-HE:7. Master's Degree	QF-EHEA:Second Cycle	EQF-LLL:7. Master's Degree				
Mode of Delivery:	Face to face						
Course Coordinator:	Prof. Dr. HİKMET KOÇAK						
Course Lecturer(s):	Doç. Dr. Adil Can Güngen Dr. Öğr. Üyesi Şirin Yurtlu Temel Prof. Dr. Celalettin Kocatürk Doç. Dr. A. Bülent Kargı						
Course Assistants:							

Course Objective and Content

Course Objectives:	To enable students to know the characteristics of chest diseases in adult patients, to apply preventive medicine measures, to make the pre-diagnosis or diagnosis of diseases that may require urgent intervention, and to gain knowledge and skills to provide diagnosis and treatment services at the primary level.
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Course	It covers the principles of symptoms and signs, diagnosis and treatment of diseases in adult patients
Content:	in the field of chest diseases and thoracic surgery, in a way that includes the learning objectives specified in the core training program.

Learning Outcomes

The students who have succeeded in this course;

- 1) Be able to question the symptoms of chest diseases with medical history taking and physical examination, recognize these symptoms in the examination, request the necessary tests at the first stage, make a diagnostic approach and interpret them, treat certain problems, determine which patients should be evaluated by a specialist.
- 2) To be able to approach urgent symptoms and diseases (such as pneumothorax, trauma), make the diagnosis and perform the first treatment and then send them to advanced centers under suitable conditions.
- 3) To understand the importance of good patient-physician and physician-physician communication and will develop their skills.

Course Flow Plan

Week	Subject	Related Preparation
1)	Theoretical Lectures: Internship Introducing Introduction to Chest Diseases Taking anamnesis Physical Examination Lung cancer Lung Cancer Diagnosis Lung cancer staging and treatment Asthma Pathophysiology, diagnosis of Asthma Disease Asthma Treatment COPD COPD pathophysiology-diagnosis COPD treatment Diagnostic methods in lung diseases I-II Chest X-ray Interpretation Pleural Diseases I-II-III Practical Training: Application	There is no preparation-course material.
2)	Theoretical Lectures: Pulmonary thromboembolic diseases Diagnosis in pulmonary thromboembolic diseases Treatment and algorithms in pulmonary thromboembolic diseases Respiratory failure I-II Blood gas Pneumonia Community-Acquired Pneumonia Hospital-Acquired Pneumonia-Immunosuppressed Pneumonias Tuberculosis Tuberculosis pathophysiology Tuberculosis diagnosis and treatment Practical Training: Nebulized therapy applications Pulse oximetry applications blood gas applications Respiratory function test applications Thoracentesis applications Bronchoscopy applications Bedside Case Report	There is no preparation-course material.
3)	Theoretical Lectures: Internship introducing (Thoracic Surgery) Surgical Anatomy of Thorax, Thoracic incisions and surgical methods Pneumothorax and Bullous Lung Diseases, Thoracic emergencies Lung Cancer, Surgical Diseases of the Thymus and Mesothelioma Chest Wall Deformities, Chest Wall Tumors, Hydatid Cyst and Tuberculosis surgery Surgical diseases of the Trachea, Esophagus and Mediastinum Exam Practical Training: External Rotation	There is no preparation-course material.

Sources

Course Notes / Textbooks:	Dersin kaynak kitabı bulunmamaktadır. The course does not have a mandatory resource.
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References:	Dersin konuları ile ilgili güncel makaleler ve ders slaytları./Articles mentioned in the course related with topics and lecture slides.
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Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3
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.			
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.			

Course Learning Outcomes	1	2	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.			
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

	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.	
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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
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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	3	37
Application	3	24
Special Course Internship (Work Placement)	3	24
Final	1	8
Total Workload		93