

Course Title	Respiratory Medicine, Thoracic Surgery and Breast Surgery						
Course Code	MED-502						
Course Type	Required						
Level	Undergraduate						
Year / Semester	Year 5/ Semester 9 (Fall)						
Teacher's Name	Course Leads: Dr Evis Bagdades Dr Charalambos Charalambous						
ECTS	6	Lectures / week	4	Laboratories / week	0	Clinical Practice	36
Course Purpose and Objectives	<p>The main objectives of the last two years of the six year medical programme are to provide students with extensive experience in the clinical environment, mainly in hospitals but also in the community, so that they can utilise their learning over the previous 4 years to practise their clinical, communication, diagnostic and reasoning skills on real patients, and to learn about the management of patients, from a medical, therapeutic, surgical, psychosocial and caring perspective.</p> <p>In this course, students will spend four weeks working primarily with patients with respiratory and breast diseases. They will develop an understanding of the presentation, signs and symptoms, physical examination findings, investigations, diagnosis, treatment (medical and/or surgical as appropriate) and management plan for common respiratory and breast diseases.</p> <p>The students will learn how to take detailed histories from, carry out systematic clinical examination of, and interpret laboratory and imaging data on patients with disorders of the respiratory system and breast. The students will gain a basic understanding of the application and type of information to be obtained from different methods for investigating the lungs and breast. They will also spend time in theatre observing thoracic and breast surgery.</p>						
Learning Outcomes	<p>After the completion of the course the students should be able to:</p> <ol style="list-style-type: none"> 1. Take a history from a patient, or relative of a patient, presenting with a respiratory condition, in a sensitive and caring manner 2. Take a history from a patient, or relative of a patient, presenting with a breast condition, in a sensitive and caring manner 3. Carry out a sensitive physical examination as part of investigation of the presenting complaint 4. Come up with a differential diagnosis for the presenting complaint 5. Identify appropriate investigations, including sputum, blood and urine tests, peak flow and imaging, to assist in the diagnosis of the presenting complaint and to interpret the results from such tests 6. Prepare a treatment management plan for the patient to present to the responsible clinician to include medical, pharmacological, surgical options as appropriate. 						

	7. Observe, and where appropriate carry out or assist with, the following procedures: peak flow, spirometry, bronchoscopy, chest X-ray, CT scan and MRI scan, lung ventilation perfusion scan, pleural tap, arterial blood gas analysis, mammogram, needle biopsy, thoracotomy, pneumonectomy, mastectomy, lumpectomy and other surgical procedures, planned and opportunistic.				
Prerequisites	Completion of year 4.	Required	None		
Course Content	<ul style="list-style-type: none"> • Asthma • Chronic Obstructive pulmonary disease (COPD) • Respiratory failure • Carcinoma of the Bronchus • Pulmonary Tuberculosis • Pleural Effusions and Pleural disease • Pneumothorax, Haemothorax • Chest Trauma • Pneumonia • Bronchiectasis • Cystic Fibrosis • Sarcoidosis • Interstitial Lung Disease • Pulmonary Embolus • Pulmonary Hypertension • Obstructive Sleep Apnoea • Benign breast disease • Breast infection 				
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.				
Bibliography	Required Textbooks/Reading:				
	Authors	Title	Publisher	Year	ISBN
	Davies, Andrew	The respiratory system :basic science and clinical conditions	Churchill Livingstone	2010	9780702033704
Zollinger, Robert Milton	Zollinger's atlas of surgical operations.	McGraw-Hill	2011	9780071602266	
Recommended Textbooks/Reading:					
Authors	Title	Publisher	Year	ISBN	

	Bourke, S. J.	Respiratory medicine	Wiley-Blackwell	2011	9780470654422
Assessment	Final year exam and final year OSCE.				
Language	English				