

Course Title	Gastroenterology and GI Medicine						
Course Code	MED-503						
Course Type	Required						
Level	Undergraduate						
Year / Semester	Year 5/ Semester 9 (Fall)						
Teacher's Name	Course Leads: Dr Ioannis Hadjiloucas Dr Neofytos Papageorgiou						
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 four 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 gastrointestinal disorders, including liver and pancreas. 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 gastrointestinal disorders.</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 gastrointestinal tract. They will also spend time in theatre observing gastrointestinal 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 gastrointestinal (including liver and pancreatic) disorder, in a sensitive and caring manner 2. Carry out a sensitive physical examination as part of investigation of the presenting complaint 3. Come up with a differential diagnosis for the presenting complaint 4. Identify appropriate investigations, including sputum, blood, urine and faecal tests, and imaging, to assist in the diagnosis of the presenting complaint and to interpret the results from such tests 5. Prepare a treatment management plan for the patient to present to the responsible clinician to include medical, pharmacological, surgical options as appropriate 6. Observe, and where appropriate carry out or assist with, the following procedures: barium enema, barium swallow, barium meal tests, biopsy, cholangiography, 						

	cholecystography, endoscopy, endoscopic retrograde cholangiopancreatography, ultrasound, gastroscopy, laparoscopic surgery, pancreatectomy, hepatectomy, bariatric surgery, surgical removal of segments of the GI tract and other surgical procedures, planned and opportunistic.			
Prerequisites	None	Required	None	
Course Content	<ul style="list-style-type: none"> • Acute abdomen • Gastro-oesophageal reflux and Barrett's oesophagus • Oesophageal cancer • Peptic ulcers • Carcinoma of the stomach • Gastrointestinal bleeding • Jaundice • Gall stones, cholecystitis and cholangiocarcinoma • Hepatitis • Hepatic failure • Chronic Liver Disease • Focal Hepatic lesions • Acute and chronic pancreatitis • Carcinoma of the pancreas • Malabsorption • Inflammatory bowel disease • Infections and infestations of the gastro-intestinal tract • Colonic and rectal polyps and neoplasms • Diverticular disease • Functional gastrointestinal disorders • Mesenteric ischaemia or infarction • Anal lesions • Body wall hernias • Assessment of nutritional status and daily requirements • Enteral feeding • Parenteral feeding 			
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

	Logan, R, Harris, A, Misiewicz, J & Baron, J	ABC of the Upper Gastrointestinal Tract,	BMJ Books	2002	0727912666
	Smith, Margaret E & Morton, Dion G.	Digestive system: basic science and clinical conditions (2 nd ed.)	Churchill/Livingstone	2010	978072033674
	Recommended Textbooks/Reading:				
	Authors	Title	Publisher	Year	ISBN
Emory, T (ed.)	Atlas of Gastrointestinal Endoscopy and Endoscopic Biopsies	American Registry of Pathology	2000	9781881041641	
Assessment	Final year exam and final year OSCE.				
Language	English				