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| Course Title | Gastroenterology and GI Surgery | | | | | | |
| Course Code | MED-503 | | | | | | |
| Course Type | Required | | | | | | |
| Level | Undergraduate | | | | | | |
| Year / Semester | Year 5 / Semester 9 (Fall) | | | | | | |
| Teacher's Name | Course Lead: Dr Ioannis Hadjiloucas | | | | | | |
| 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 completion of the course students are expected to 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 | | | | | | |

| | <p>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</p> <p>5. Prepare a treatment management plan for the patient to present to the responsible clinician to include medical, pharmacological, surgical options as appropriate</p> <p>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.</p> | | | | | | | | |
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| 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 | <p>Required Textbooks / Reading:</p> <table border="1" data-bbox="407 1808 1507 1866"> <thead> <tr> <th data-bbox="407 1808 651 1866">Title</th> <th data-bbox="651 1808 894 1866">Author(s)</th> <th data-bbox="894 1808 1138 1866">Publisher</th> <th data-bbox="1138 1808 1252 1866">Year</th> <th data-bbox="1252 1808 1507 1866">ISBN</th> </tr> </thead> </table> | | | | Title | Author(s) | Publisher | Year | ISBN |
| Title | Author(s) | Publisher | Year | ISBN | | | | | |

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|-----------------|---|----------|------|---------------|
| O. James Garden | Principles and practice of Surgery, 8 th ed. | Elsevier | 2023 | 9780702082511 |
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Recommended Textbooks / Reading:

| Title | Author(s) | Publisher | Year | ISBN |
|---|--|--------------------------------|------|---------------|
| Logan, R, Harris, A, Misiewicz, J & Baron, J | ABC of the Upper Gastrointestinal Tract, 1 st ed. | BMJ Books | 2002 | 9780727912664 |
| Chris Tselepis, Mohammed Nabil Quraishi, Richard Horniblow, Stephen H. Hughes | Digestive system: basic science and clinical conditions, 3 rd ed. | Elsevier | 2022 | 9780702083761 |
| Emory, T (ed.) | Atlas of Gastrointestinal Endoscopy and Endoscopic Biopsies, 1 st ed. | American Registry of Pathology | 2000 | 9781881041641 |
| McLatchie, Greg | Oxford Handbook of Clinical Surgery, 5 th ed. | Oxford University Press | 2022 | 9780198799481 |
| Clive Quick and George Burkitt | Essential Surgery: Problems, Diagnosis and Management, 6 th ed. | Churchill Livingstone | 2019 | 9780702076312 |
| James A. Gossage, Matthew F. Bultitude, Steven A. Corbett, Katherine M. Burnand, Rajiv Lahiri | Browse's Introduction to the Symptoms & Signs of Surgical Diseases 6 th ed. | CRC Press | 2021 | 97-1138330085 |

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| Assessment | Final year exam and final year OSCE |
| Language | English |