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| <b>Course title</b>                  | <b>Clinical Specialties: Gastroenterology, Endocrinology</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                             |                          |
| <b>Course code</b>                   | <b>GEMD-401</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |                             |                          |
| <b>Course type</b>                   | Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                  |                             |                          |
| <b>Level</b>                         | Undergraduate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  |                             |                          |
| <b>Year / Semester</b>               | Year 4 / Semester 7/8 (rotation) / (Penultimate Year)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                  |                             |                          |
| <b>Course Lead</b>                   | Professor Joseph Joseph<br>Associate Dean for Clinical Education                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                  |                             |                          |
| <b>ECTS</b>                          | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Teaching Periods per Week</b> |                             |                          |
|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Large Group Learning</b>      | <b>Small Group Learning</b> | <b>Clinical Practice</b> |
|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                | 1                           | 36                       |
| <b>Course purpose and objectives</b> | <p>The main objectives of the last two years of the Medicine 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 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 work primarily with patients with gastrointestinal (including liver and pancreas) and endocrine disorders</p> <p>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 and endocrine 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 GI and endocrine systems. The students will gain a basic understanding of the application and type of information to be obtained from different methods of investigation. They will also spend time in theatre observing gastrointestinal and endocrine surgery.</p> |                                  |                             |                          |
| <b>Learning outcomes</b>             | <p>At the end of the course, the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Take a focused history from a patient, or relative of a patient, presenting with a gastrointestinal (including liver and pancreatic) or endocrine disorder, in a sensitive and caring manner</li> <li>2. Carry out a sensitive physical examination as part of investigation of the presenting complaint</li> <li>3. Discuss a differential diagnosis for the presenting complaint</li> <li>4. Apply their knowledge of basic and clinical science to identify and explain appropriate investigations, including sputum, blood, urine and faecal tests, imaging, fine needle aspiration, and biopsy to assist in the diagnosis of the presenting complaint and to interpret the results from</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |                             |                          |

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|                      | such tests                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |                 |                         |      |               |
|                      | 5. Prepare and explain a treatment management plan for the patient to present to the responsible clinician to include medical, pharmacological, surgical optionsas appropriate                                                                                                                                                                                                                                                                                          |                                                         |                 |                         |      |               |
|                      | 6. Observe, and where appropriate carry out or assist with, medical and surgicalprocedures relating to patients with gastrointestinal and endocrine conditions, planned and opportunistic                                                                                                                                                                                                                                                                               |                                                         |                 |                         |      |               |
|                      | 7. Prescribe medications to treat patients with gastrointestinal and endocrine disorders and make appropriate therapeutic/management decisions                                                                                                                                                                                                                                                                                                                          |                                                         |                 |                         |      |               |
| Prerequisites        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Required                                                | None            |                         |      |               |
| Course content       | Common presentations affecting the gastrointestinal and endocrine systems including: <ul style="list-style-type: none"><li>• acute and chronic abdominal pain</li><li>• gastrointestinal bleeding</li><li>• inflammatory bowel disorders</li><li>• diseases of the liver and biliary tract</li><li>• oesophageal, gastric, colonic and rectal cancer</li><li>• endocrine disorders of the hypothalamus, pituitary, thyroid, parathyroid, adrenal and pancreas</li></ul> |                                                         |                 |                         |      |               |
| Teaching methodology | The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.                                                                                                                                                                                                                                                                                                                                                                |                                                         |                 |                         |      |               |
| Bibliography         | Required textbooks/reading                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |                 |                         |      |               |
|                      | Authors                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Title                                                   | Edition         | Publisher               | Year | ISBN          |
|                      | Logan, R, Harris, A, Misiewicz, J & Baron, J                                                                                                                                                                                                                                                                                                                                                                                                                            | ABC of the Upper Gastrointestinal Tract                 |                 | BMJ Books               | 2002 | 9780727912664 |
|                      | Chris Tselepis, Mohammed Nabil Quraishi, Richard Horniblow, Stephen H. Hughes,                                                                                                                                                                                                                                                                                                                                                                                          | Digestive system: basic science and clinical conditions | 3 <sup>rd</sup> | Elsevier                | 2022 | 9780702083761 |
|                      | Wass J Arlt W, Semple R                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Oxford Textbook of Endocrinology and Diabetes           | 3 <sup>rd</sup> | Oxford University Press | 2021 | 9780198870197 |
|                      | Holt, EH, Lupsa, B, Lee, GS, Bassyouni, H, Peery, H                                                                                                                                                                                                                                                                                                                                                                                                                     | Goodman’s Basic Medical Endocrinology                   | 5 <sup>th</sup> | Elsevier                | 2021 | 9780128158449 |

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|                   | Joint Formulary Committee                                                                                                                                                                                                                                                                                                                       | <a href="https://bestpractice.bmj.com/drugs">https://bestpractice.bmj.com/drugs</a> | Latest          | BMJ Group and Pharmaceutical Press | Current year |               |
|                   | <b>Recommended textbooks/reading</b>                                                                                                                                                                                                                                                                                                            |                                                                                     |                 |                                    |              |               |
|                   | <b>Authors</b>                                                                                                                                                                                                                                                                                                                                  | <b>Title</b>                                                                        | <b>Edition</b>  | <b>Publisher</b>                   | <b>Year</b>  | <b>ISBN</b>   |
|                   | Hall I                                                                                                                                                                                                                                                                                                                                          | Gastrointestinal Tract Disorders: Diagnosis and Treatment                           | 1 <sup>st</sup> | Murphy & Moore Publishing          | 2022         | 9781639872534 |
|                   | <p>For more information on accessing the British National Formulary (BNF) please see the library guide <a href="#">Health Research Basics</a></p> <p>Additional information can also be found in the library guides: <a href="#">Clinical Placement Support Resources</a> &amp; <a href="#">Health Library Student Well-being Resources</a></p> |                                                                                     |                 |                                    |              |               |
| <b>Assessment</b> | End of year exam and end of year OSCE. The written assessment will be Single Best Answer MCQs and Short Answer Questions. Workplace based assessments will take place during the attachment.                                                                                                                                                    |                                                                                     |                 |                                    |              |               |
| <b>Language</b>   | English                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                 |                                    |              |               |