<table>
<tr><td>Course title</td><td colspan="5">Absorption, Excretion and Endocrine</td></tr>
<tr><td>Course code</td><td colspan="5">GEMD-202</td></tr>
<tr><td>Course type</td><td colspan="5">Required</td></tr>
<tr><td>Level</td><td colspan="5">Undergraduate</td></tr>
<tr><td>Year / Semester</td><td colspan="5">Year 2, Semester 3</td></tr>
<tr><td>Teacher’s name</td><td colspan="5">Agnieszka Mitsides & TBC</td></tr>
<tr><td rowspan="3">ECTS</td><td rowspan="3">13</td><td colspan="4">Teaching Periods per Week</td></tr>
<tr><td>Large Group Learning</td><td>Small Group Learning</td><td>Laboratories & Skills</td><td>Clinical Practice</td></tr>
<tr><td>6</td><td>6</td><td>5</td><td>6</td></tr>
<tr><td>Course purpose and objectives</td><td colspan="5">The aim of this course is to:
• Provide the students with an understanding of the normal structure and function of the gastrointestinal, renal & genitourinary and endocrine systems
• Introduce the students to the pathophysiology and pathology of various conditions affecting these systems
• Provide the students with an understanding of the clinical manifestations of various gastrointestinal, renal & genitourinary and endocrine conditions
• Introduce the students to the investigative and therapeutic principles underlying the management of gastrointestinal, renal & genitourinary and endocrine conditions
• Develop the student’s consultation skills and professional competencies in relationship to managing patients with gastrointestinal, renal & genitourinary and endocrine conditions</td></tr>
<tr><td>Learning outcomes</td><td colspan="5">Due to the nature of Problem Based Learning (PBL), the full list of objectives will be available at the end of each PBL week.</td></tr>
<tr><td>Prerequisites</td><td colspan="3">None</td><td>Required</td><td>None</td></tr>
<tr><td>Course content</td><td colspan="5">• The normal structure and function of the gastrointestinal tract, liver, gallbladder biliary tree pancreas and spleen, the renal & genitourinary system and the endocrine system (hypothalamic-pituitary axis, pituitary thyroid, parathyroid and adrenal glands)
• Digestion, absorption and excretion
• Hypothalamic, pituitary, thyroid, parathyroid, pancreatic, renal and adrenal hormones</td></tr>
</table>

<table>
<tr><td></td><td>

The pathophysiology and pathology of various conditions affecting the GI, renal & genitourinary and endocrine systems, including malabsorption syndromes, jaundice, acute and chronic renal failure and diabetes
The management of such conditions
The consultations skills, examination skills and professional competencies required to deal with patients with GI, renal & genitourinary and endocrine conditions

</td></tr>
<tr><td>Teaching methodology</td><td>
Lectures – normally two face-to-face, two on-line p/week

Tutorials – two case-based learning small group sessions, two expert-led class discussions/debates

Flipped classroom activities

Community and/or hospital visits each week, relating to the case of the week

Student centred learning/self-study
</td></tr>
<tr><td>Bibliography</td><td>
Required textbooks/reading
<table>
<tr><th>Authors</th><th>Title</th><th>Edition</th><th>Publisher</th><th>Year</th><th>ISBN</th></tr>
<tr><td>Moore, Keith L.</td><td>Clinically oriented anatomy</td><td>7th or 8th Int'l Edition</td><td>Lippincott Williams & Wilkins</td><td>2017</td><td>9781496354044</td></tr>
<tr><td>Sherwood, Laura Lee</td><td>Human Physiology: from Cells to Systems</td><td>9th Edition</td><td>Brooks Cole</td><td>2015</td><td>9781285866932 (hardcover)</td></tr>
<tr><td>Vinay Kumar, Abul K. Abbas, Jon C. Aster</td><td>Robbins Basic Pathology</td><td>10th Edition</td><td>Elsevier</td><td>2020</td><td>9780323531139</td></tr>
</table>
Recommended textbooks/reading
<table>
<tr><th>Authors</th><th>Title</th><th>Edition</th><th>Publisher</th><th>Year</th><th>ISBN</th></tr>
<tr><td>Chung, K.W. , Chung, H. & Halliday, N.L.</td><td>BRS Gross Anatomy</td><td>9th Edition</td><td>Lippincott Williams & Wilkins</td><td>2018</td><td>9781496385277</td></tr>
<tr><td>Costanzo, Linda</td><td>BRS: Physiology</td><td>7th Edition</td><td>Lippincot t</td><td>2018</td><td>9781496367617</td></tr>
</table>
</td></tr>
</table>

				Williams & Wilkins		
	Vilnay Kumar, Abul K. Abbas, Jon C. Aster	Robbins & Cotran Pathologic Basis of Disease	10th Edition	Elsevier	2020	9780323531139
Assessment	The course will be assessed at the end of Semester 3 with a Summative Final Examination consisting of Single Best Answer MCQs (SBAs) and Short Answer Questions (SAQs). Clinical and consultation skills will be assessed in an OSCE.					
Language	English					