Course title	Clinical Specialties: Nephrology, Urology							
Course code	GEMD-401							
Course type	Required							
Level	Undergraduate							
Year / Semester	Year 4 / Semester 7/8 (rotation)							
Teacher's name	Course Leads: TBA							
ECTS		Teaching Periods per Week						
	60	Large Group Learning	Small Group Learning	Clinical Practice				
		6	2	30				
Course purpose and objectives	The main objectives of the last two years of the five-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 three 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.  In this course, students will spend five weeks working primarily with patients with renal and urological disorders.  They will develop an understanding of the presentation, signs and symptoms, physical examination findings, investigations, diagnosis, treatment (medical and/or surgical, including transplant surgery, as appropriate) and management plan for common renal and urological disorders.  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 kidneys and urological system. The students will gain a basic understanding of the application and type of information to be obtained from different methods for investigating kidney and urological disorders. They will also spend time in theatre observing renal, urological and transplant							
Learning outcomes	<ol> <li>Surgery.</li> <li>At the end of the course, the student will be able to:</li> <li>Take a focused history from a patient, or relative of a patient, presenting with a renal or urological disorder, in a sensitive and caring manner</li> <li>Carry out a sensitive physical examination as part of investigation of the presenting complaint</li> <li>Discuss a differential diagnosis for the presenting complaint</li> <li>Apply their knowledge of basic and clinical science to identify and explain appropriate investigations, including blood and urine tests, imaging, fine</li> </ol>							

	needle aspiration, and biopsy to assist in the diagnosis of the presenting complaint and to interpret the results from such tests							
	5. Prepare and explain 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, medical and surgical procedures relating to patients with renal or urological conditions, planned and opportunistic							
	7. Prescribe medications to treat patients with kidney and urinary tract diseases/disorders and make appropriate therapeutic/management decisions.							
Prerequisites	None			Require	<b>d</b> None			
Course content	<ul><li>rena</li><li>urina</li><li>fluid</li><li>infec</li><li>rena</li></ul>	I failure and ary calculi and electrol ctions I, bladder an	nephropath yte imbalar d prostatic	ny		ystems including:		
Teaching methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.							
	Required textbooks/reading							
	Authors	Title	Edition	Publisher	Year	ISBN		
Bibliography	Field, Michael J.	The renal system: basic science and clinical conditions	2nd	Churchill Livingstone Elsevier,	2010	9780702033711		
	Joint Formulary Committe e	https://best practice.bm j.com/drugs	Last one	BMJ Group and Pharmaceu tical Press.	Current year	Joint Formulary Committee		
	National Institute for Health and Clinical Excellenc e	https://ww w.nice.org.u k/guidance	Last one		Current year	National Institute for Health and Clinical Excellence		
Recommended textbooks/reading								
	Recommende	d textbooks/rea	nding					

	Brenner, Barry M & Rector, Floyd C	Brenner & Rector's The kidney	11th	Elsevier	2019	9781416031 055	
Assessment	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.						
Language	English						