

Course title	Movement and Control				
Course code	GEMD-203				
Course type	Required				
Level	Undergraduate				
Year / Semester	Year 2, Semester 3				
Teacher's name	Course Co-Leads: Prof. Theodoros Kyriakides and Prof. Joseph Joseph				
ECTS	13	Teaching Periods per Week			
		Large Group Learning	Small Group Learning	Laboratories & Skills	Clinical Practice
		6	6	5	6
Course purpose and objectives	<p>The aim of this course is to:</p> <ul style="list-style-type: none"> • Provide the students with an understanding of the structure and function of the nervous and musculoskeletal systems • Provide the students with an understanding of the pathology of neurological, inflammatory and non-inflammatory rheumatic diseases. • Introduce students to the principles of orthopaedics • Introduce the students to the characteristics, manifestations and investigation of neurological and rheumatic diseases • Introduce the students to the therapeutic and general management of autoimmune rheumatic conditions and neurological conditions • Develop the student's consultation and examination other skills and professional competencies in relationship to managing patients with chronic rheumatic diseases, neurological diseases and patients with trauma 				
Learning outcomes	Due to the nature of Problem Based Learning (PBL), the full list of objectives will be available at the end of each PBL week.				
Prerequisites	None	Required	None		
Course content	<ul style="list-style-type: none"> • Structure and function of the musculoskeletal system • Introduction to orthopaedics and fractures • Pathology and immunology of rheumatic diseases • Clinical manifestations of rheumatic diseases and their management. • Consultation and examination skills when dealing with patients with rheumatic and orthopaedic conditions. • Structure and function of the central peripheral and autonomic nervous systems • Neurotransmission • Pathology of neurological disorders 				

	<ul style="list-style-type: none"> • Clinical manifestations and management of neurological disorders • Consultation and examination skills when dealing with patients with neurological disorders 												
Teaching methodology	<p>Lectures – normally two face-to-face, two on-line per week</p> <p>Tutorials – two case-based learning small group sessions, two expert-led class discussions/debates</p> <p>Two Anatomy sessions per week</p> <p>Flipped classroom activities</p> <p>Community and/or hospital visits each week, relating to the case of the week as well as meeting ‘expert patients’</p> <p>Student centred learning/self-study</p>												
Bibliography	<p>Required textbooks/reading</p> <table border="1"> <thead> <tr> <th>Authors</th> <th>Title</th> <th>Edition</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td>James M. Ritter, Rod J. Flower, Graeme Henderson, Yoon Kong Loke, David MacEwan, Humphrey P. Rang</td> <td>Rang & Dale's Pharmacology</td> <td>9th Edition</td> <td>Elsevier</td> <td>2019</td> <td></td> </tr> </tbody> </table>	Authors	Title	Edition	Publisher	Year	ISBN	James M. Ritter, Rod J. Flower, Graeme Henderson, Yoon Kong Loke, David MacEwan, Humphrey P. Rang	Rang & Dale's Pharmacology	9 th Edition	Elsevier	2019	
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Assessment	<p>The course will be assessed at the end of Semester 4 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</p>												
Language	English												