

Course Title	Internal Medicine						
Course Code	MED-601						
Course Type	Required						
Level	Undergraduate						
Year / Semester	Year 6/ Semester 11 (Fall)						
Teacher's Name	Course Lead: Dr Stelia Ioannidou Kadis						
ECTS	10	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 six weeks working with patients who present with a medical problem across any sub-specialty of medicine. They will develop an understanding of the presentation, signs and symptoms, physical examination findings, investigations, diagnosis, treatment and management plan for a wide range of conditions.</p> <p>Students will be “on call” in the Emergency Room to receive and clerk patients. They will spend most of their time on wards and in outpatient clinics. They will try to follow their patients throughout their treatment to build up some continuity of care. They will take part in all ward activities, working alongside other doctors, nurses, physiotherapists, occupational therapists, pharmacists, social workers – any healthcare professional involved in patient care – in order to understand the roles each healthcare professional undertakes and the importance of teamwork. They will take histories (clerking), carry out physical examinations, suggest investigations and interpret the findings with a view to reaching a diagnosis and starting treatment. They will take part in ward rounds, team meetings, radiology and pathology meetings and will present their patients to the rest of the team. They will keep accurate records (using an agreed template).</p> <p>The overall aims of the attachment are as follows:</p> <ul style="list-style-type: none"> • To gain experience of patient care as part of a clinical team. • To become proficient in medical diagnosis and formulation of management plans. • To develop an adequate knowledge base for understanding common problems in internal medicine. • To develop clinical reasoning and problem solving skills at the bedside. 						

	<ul style="list-style-type: none"> • To develop high standards of professional behavior. • To continually reinforce basic and clinical science principles learnt during the earlier part of the course. 		
Learning Outcomes	<p>By the end of the course, students will be able to:</p> <ol style="list-style-type: none"> 1. Take a competent history from a patient, or relative of a patient, presenting with a medical condition, in a sensitive and caring manner. 2. Carry out a physical examination of patients. 3. Come up with a differential diagnosis for the presenting complaint. 4. Identify appropriate investigations, including blood and urine tests and imaging, to assist in the diagnosis of the presenting complaint and to interpret the results from such tests. 5. Prepare a treatment management plan for the patient to present to the responsible clinician. 6. Apply clinical reasoning and problem solving skills at the bedside, using hypothesis generation, data gathering, integration of basic science, clinical medicine and evaluation of opinions. 7. Demonstrate knowledge of common medical problems and medical emergencies 8. Perform procedures common to internal medicine – venepuncture, insertion of intravenous cannulae, arterial puncture, urinary catheter and nasogastric tubes, measurement of peak flow, arterial blood gases, transcutaneous pulse oximetry, setting up an intravenous fluid infusion, administration of an intravenous medicine, intramuscular injection, subcutaneous injection, insulin injection, administration of oxygen, diagnosis of death 9. Demonstration of high professional standards and attitudes regarding relationships in the workplace, team work, confidentiality, initiative, self-directed learning an ethical issues. 		
Prerequisites	None	Required	None
Course Content	<p>History taking Problem formulation Differential diagnosis Development of management plans Discriminatory use of investigations Adoption of preventative approach to healthcare Examination of:</p> <ol style="list-style-type: none"> 1. head & neck, thyroid and lymph nodes, eye, ear, nose and throat 2. respiratory system 3. breast and axillae 4. cardiovascular system 		

	<ol style="list-style-type: none"> 5. vascular system 6. abdomen – liver, spleen and bowel 7. rectal examination 8. renal system, including dipstick analysis 9. neurological system 10. penis, scrotum and testes 11. foot, ankle, knee and hip 12. hand, wrist, elbow and shoulder 13. lumbar and cervical spine 14. skin and appendages 15. Insertion of tubes, drains, needles 16. Interpretation of investigations – X-rays, CT scans, MRI scans, ultrasound, Doppler and duplex scans, blood tests, pathology Management of fluids and electrolytes 17. Emergency medicine skills – airway maintenance etc. 18. Patient education – peak flow, spirometry, inhalers, nebulisers, glucose measurement 19. Counselling skills 20. Prescribing skills 										
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.										
Bibliography	<p style="text-align: center;">Required Textbooks/Reading:</p> <table border="1"> <thead> <tr> <th>Authors</th> <th>Title</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td>Longo, D (ed.)</td> <td>Harrison's principles of internal medicine</td> <td>McGraw Hill, New York</td> <td>2012, 18th ed.</td> <td>TBC</td> </tr> </tbody> </table>	Authors	Title	Publisher	Year	ISBN	Longo, D (ed.)	Harrison's principles of internal medicine	McGraw Hill, New York	2012, 18 th ed.	TBC
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Longo, D (ed.)	Harrison's principles of internal medicine	McGraw Hill, New York	2012, 18 th ed.	TBC							
Assessment	Final year exam and final 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										