

Course title	Clinical Specialties: Cardiology and Respiratory (Cardiology, Cardiothoracic Surgery, Respiratory Medicine, Thoracic Surgery)			
Course code	MD-501			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 5 / Semester 9/10 (rotation) / (Penultimate Year)			
Course Lead	Professor Joseph Joseph Associate Dean for Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Small Group Learning	Clinical Practice
		3	1	36
Prerequisites	None		Required	None
Course purpose and objectives	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. In this course, students will work primarily with patients with heart conditions and respiratory diseases. 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 cardiovascular and respiratory diseases. 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 cardiovascular and respiratory systems. They will also spend time in theatre observing cardiothoracic surgery.			
Learning outcomes	By the end of the course, the students should be able to: 1. take a focused history from a patient, or relative of a patient, presenting with a cardiovascular or a respiratory condition, in a sensitive and caring manner. 2. carry out a sensitive physical examination as part of investigation of the presenting complaint. 3. discuss a differential diagnosis for the presenting complaint. 4. apply their knowledge of basic and clinical science to identify and explain appropriate investigations, including sputum, blood and urine tests, peak flow, imaging, fine 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 cardiovascular and respiratory conditions, planned and opportunistic. 7. Prescribe medications to treat patients with cardiovascular and respiratory diseases and make appropriate therapeutic/management decisions.																																																
Course content	Common presentations affecting the cardiovascular and respiratory systems including: ○ Hypertension ○ Arrhythmias ○ Valvular heart disease ○ Myocardial ischemia and infarction ○ ECG ○ Shock ○ Chest infections ○ Asthma and other lung disorders ○ Respiratory failure ○ Lung cancer																																																
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.																																																
Bibliography	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>Griffin, Brian P; Menon, Venu</td><td>Manual of Cardiovascular Medicine</td><td>6th</td><td>Wolters Kluwer</td><td>2025</td><td>9781975211578</td></tr><tr><td>Ramrakha, Punit; Hill, Jonathan; Basu, Joyee; Camm, C. Fielder</td><td>Oxford Handbook of Cardiology</td><td>3rd</td><td>Oxford University Press</td><td>2025</td><td>9780198789536</td></tr><tr><td>Hampton, John R; Hampton, Joanna; Adlam, David</td><td>The ECG Made Easy</td><td>10th</td><td>Elsevier</td><td>2024</td><td>9780323937665</td></tr><tr><td>Dubin, Dale</td><td>Rapid Interpretation of EKG's</td><td>6th</td><td>Cover Publishing Company</td><td>2000</td><td>9780912912066</td></tr><tr><td>Grech, Ever D.</td><td>ABC of interventional cardiology</td><td>2nd</td><td>Wiley-Blackwell</td><td>2011</td><td>9781405170673 e-book</td></tr><tr><td>Caroline R Thomas, Gunchu Randhawa, Stephen H. Hughes,</td><td>The Respiratory System: Systems of the Body Series</td><td>3rd</td><td>Elsevier</td><td>2022</td><td>9780702082849</td></tr><tr><td>Robert M. Zollinger, E. Christopher Ellison, Timothy M. Pawlik, Patrick Vaccaro</td><td>Zollinger’s atlas of surgical operations</td><td>11th</td><td>McGraw-Hill</td><td>2022</td><td>9781260440850</td></tr></table>	Authors	Title	Edition	Publisher	Year	ISBN	Griffin, Brian P; Menon, Venu	Manual of Cardiovascular Medicine	6 th	Wolters Kluwer	2025	9781975211578	Ramrakha, Punit; Hill, Jonathan; Basu, Joyee; Camm, C. Fielder	Oxford Handbook of Cardiology	3 rd	Oxford University Press	2025	9780198789536	Hampton, John R; Hampton, Joanna; Adlam, David	The ECG Made Easy	10 th	Elsevier	2024	9780323937665	Dubin, Dale	Rapid Interpretation of EKG's	6 th	Cover Publishing Company	2000	9780912912066	Grech, Ever D.	ABC of interventional cardiology	2 nd	Wiley-Blackwell	2011	9781405170673 e-book	Caroline R Thomas, Gunchu Randhawa, Stephen H. Hughes,	The Respiratory System: Systems of the Body Series	3 rd	Elsevier	2022	9780702082849	Robert M. Zollinger, E. Christopher Ellison, Timothy M. Pawlik, Patrick Vaccaro	Zollinger’s atlas of surgical operations	11 th	McGraw-Hill	2022	9781260440850
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	Recommended textbooks/reading					
	Authors	Title	Edition	Publisher	Year	ISBN
	Herring N Paterson DJ.	Levick's introduction to cardiovascular physiology	6 th	CPC Press	2018	9781498739849
	Stephen J. Bourke, Graham P. Burns, James G. Macfarlane	Respiratory medicine (lecture notes)	10 th	Wiley- Blackwell	2022	9781119774204
	Joint Formulary Committee	https://bestpractice.bmj.com/drugs	Last one	BMJ Group and Pharmaceutical Press	Current year	
	National Institute for Health and Clinical Excellence	https://www.nice.org.uk/guidance	Last one		Current year	
	For more information on accessing the British National Formulary (BNF) please see the library guide Health Research Basics Additional information can also be found in the library guides: Clinical Placement Support Resources & Health Library Student Well-being Resources					
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					

Course title	Clinical Specialties: Gastroenterology, Endocrinology			
Course code	MD-501			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 5 / Semester 9/10 (rotation) / (Penultimate Year)			
Course Lead	Professor Joseph Joseph Associate Dean for Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Small Group Learning	Clinical Practice
		3	1	36
Prerequisites	None		Required	None
Course purpose and objectives	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. In this course, students will work primarily with patients with gastrointestinal (including liver and pancreas) and endocrine disorders. 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. 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.			
Learning outcomes	At the end of the course, the student will be able to: 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 2. Carry out a sensitive physical examination as part of investigation of the presenting complaint 3. Discuss a differential diagnosis for the presenting complaint 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 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 gastrointestinal and endocrine conditions, planned and opportunistic 7. Prescribe medications to treat patients with gastrointestinal and endocrine disorders and make appropriate therapeutic/management decisions.																																				
Course content	Common presentations affecting the gastrointestinal and endocrine systems including: acute and chronic abdominal pain gastrointestinal bleeding inflammatory bowel disorders diseases of the liver and biliary tract oesophageal, gastric, colonic and rectal cancer endocrine disorders of the hypothalamus, pituitary, thyroid, parathyroid, adrenal and pancreas																																				
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.																																				
Bibliography	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>Logan, R, Harris, A, Misiewicz, J & Baron, J</td><td>ABC of the Upper Gastrointestinal Tract</td><td></td><td>BMJ Books</td><td>2002</td><td>9780727912664</td></tr><tr><td>Chris Tselepis, Mohammed Nabil Quraishi, Richard Horniblow, Stephen H. Hughes,</td><td>Digestive system: basic science and clinical conditions</td><td>3rd</td><td>Elsevier</td><td>2022</td><td>9780702083761</td></tr><tr><td>Wass J Arlt W, Semple R</td><td>Oxford Textbook of Endocrinology and Diabetes</td><td>3rd</td><td>Oxford University Press</td><td>2021</td><td>9780198870197</td></tr><tr><td>Holt, EH, Lupsa, B, Lee, GS, Bassyouni, H, Peery, H</td><td>Goodman’s Basic Medical Endocrinology</td><td>5th</td><td>Elsevier</td><td>2021</td><td>9780128158449</td></tr><tr><td>Joint Formulary Committee</td><td>https://bestpractice.bmj.com/drugs</td><td>Latest</td><td>BMJ Group and Pharmaceutical Press</td><td>Current year</td><td></td></tr></table>	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 rd	Elsevier	2022	9780702083761	Wass J Arlt W, Semple R	Oxford Textbook of Endocrinology and Diabetes	3 rd	Oxford University Press	2021	9780198870197	Holt, EH, Lupsa, B, Lee, GS, Bassyouni, H, Peery, H	Goodman’s Basic Medical Endocrinology	5 th	Elsevier	2021	9780128158449	Joint Formulary Committee	https://bestpractice.bmj.com/drugs	Latest	BMJ Group and Pharmaceutical Press	Current year	
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Joint Formulary Committee	https://bestpractice.bmj.com/drugs	Latest	BMJ Group and Pharmaceutical Press	Current year																																	

	Recommended textbooks/reading					
	Authors	Title	Edition	Publisher	Year	ISBN
	Hall I	Gastrointestinal Tract Disorders: Diagnosis and Treatment	1 st	Murphy & Moore Publishing	2022	9781639872534
	For more information on accessing the British National Formulary (BNF) please see the library guide Health Research Basics Additional information can also be found in the library guides: Clinical Placement Support Resources & Health Library Student Well-being Resources					
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					

Course title	Clinical Specialties: Nephrology, Urology			
Course code	MD-501			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 5 / Semester 9/10 (rotation) / (Penultimate Year)			
Course Lead	Professor Joseph Joseph Associate Dean for Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Small Group Learning	Clinical Practice
		3	1	36
Prerequisites	None		Required	None
Course purpose and objectives	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. In this course, students will work 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 surgery.			
Learning outcomes	At the end of the course, the student will be able to: 1. 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 2. Carry out a sensitive physical examination as part of investigation of the presenting complaint 3. Discuss a differential diagnosis for the presenting complaint 4. Apply their knowledge of basic and clinical science to identify and explain appropriate investigations, including blood and urine tests, imaging, fine 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.																																				
Course content	Common presentations affecting the renal and urogenital systems including: - renal failure and nephropathy - urinary calculi - fluid and electrolyte imbalance - infections - renal, bladder and prostatic cancer - benign prostatic and urinary tract disorders																																				
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.																																				
Bibliography	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>Vincent Lee, Amanda Mather, Stephen H. Hughes</td><td>The Renal System: Systems of the Body Series</td><td>3rd</td><td>Elsevier</td><td>2022</td><td>9780702082924</td></tr><tr><td>Joint Formulary Committee</td><td>https://bestpractice.bmj.com/drugs</td><td>Last one</td><td>BMJ Group and Pharmaceutical Press</td><td>Current year</td><td></td></tr><tr><td>National Institute for Health and Clinical Excellence</td><td>https://www.nice.org.uk/guidance</td><td>Last one</td><td></td><td>Current year</td><td></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>Luyckx VA, Chertow GM, Marsden PA, Skorecki K, Taal MW, Yu ASL</td><td>Brenner & Rector's The Kidney</td><td>12th</td><td>Elsevier</td><td>2026</td><td>9780443106415</td></tr></table> For more information on accessing the British National Formulary (BNF) please see the library guide Health Research Basics Additional information can also be found in the library guides: Clinical Placement Support Resources & Health Library Student Well-being Resources	Authors	Title	Edition	Publisher	Year	ISBN	Vincent Lee, Amanda Mather, Stephen H. Hughes	The Renal System: Systems of the Body Series	3 rd	Elsevier	2022	9780702082924	Joint Formulary Committee	https://bestpractice.bmj.com/drugs	Last one	BMJ Group and Pharmaceutical Press	Current year		National Institute for Health and Clinical Excellence	https://www.nice.org.uk/guidance	Last one		Current year		Authors	Title	Edition	Publisher	Year	ISBN	Luyckx VA, Chertow GM, Marsden PA, Skorecki K, Taal MW, Yu ASL	Brenner & Rector's The Kidney	12 th	Elsevier	2026	9780443106415
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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

Course title	Clinical Specialties: Neurology (Neurology, Neurosurgery and Palliative Care), ENT, Ophthalmology			
Course code	MD-501			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 5 / Semester 9/10 (rotation) / (Penultimate Year)			
Course Lead	Professor Joseph Joseph Associate Dean for Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Small Group Learning	Clinical Practice
		3	1	36
Prerequisites	None		Required	None
Course purpose and objectives	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. In this course, students will work primarily with patients with neurological, neurosurgical, ear, nose & throat (ENT) and eye disorders and with those receiving end-of-life palliative cares. They will develop an understanding of the presentation, signs and symptoms, physical examination findings, investigations, diagnosis, and management for common neurological, neurosurgical, ENT or eye disorders. They will learn how terminally ill patients are cared for when they are no longer able to benefit from curative treatment, but receive palliative care instead. 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 neurological, neurosurgical, ENT and eye disorders. The students will gain a basic understanding of the application and type of information to be obtained from different methods for investigating disorders, including learning to use instruments for the assessment of ENT and eye disorders. They will also spend time in theatre observing neurosurgical, ENT and eye operations.			
Learning outcomes	After the completion of the course the students should be able to: 1. take a history from a patient, or relative of a patient, presenting with a neurological disorder or a condition affecting the ear, nose, throat or eye, in a sensitive and caring manner 2. carry out a sensitive physical examination as part of investigation of the presenting complaint including use of the basic instruments for ENT and eye examination such as otoscope and hand-held ophthalmoscope. 3. Discuss a differential diagnosis for the presenting complaint.			

	4. Apply their knowledge of basic and clinical science to identify and explain appropriate investigations, including blood, urine and CSF tests, NCS/EMG, EEG, and imaging, cytology 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 neurological, ENT or eye conditions, planned and opportunistic. 7. Define palliative care and summarise what is included in an integrated care pathway for terminally ill patients and their families. 8. Prescribe medications to treat patients with neurological disorders and in palliative care, and make appropriate therapeutic/management decisions.																								
Course content	Common presentations affecting the neurological system, ear, nose and throat, and eyes including: • Headache • Cerebrovascular disease • Blackouts, seizures and epilepsy • Movement disorders • Demyelinating conditions • Meningitis and other intracranial infections • Brain tumours and ENT tumours • Neuromuscular disorders • Cranial neuropathies • Hearing loss and other conditions relating to the ear • Disorders relating to the nose and sinuses • Throat disorders • Disorders affecting the voice • Disorders affecting the eye, including conjunctivitis, cataracts, glaucoma and retinopathy • Ophthalmological emergencies • Terminal Care issues																								
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.																								
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	Fallon, Marie Hanks G	ABC Palliative Care	2 nd	Wiley-Blackwell	2006	9781405130790
	Corbridge, R Steventon N	Oxford handbook of ENT and head and neck surgery	3 rd	Oxford	2020	9780198725312
	Riordan-Eva, Paul	Vaughan & Asbury's general ophthalmology	19 th	McGraw-Hill	2017	9780071843539
	Joint Formulary Committee	http://bestpractice.bmj.com/drugs	Latest	BMJ Group and Pharmaceutical Press	Current Year	
	National Institute for Health and Clinical Excellence	https://www.nice.org.uk/guidance	Latest		Current Year	
	Recommended Textbooks/Reading:					
	Authors	Title	Edition	Publisher	Year	ISBN
	Lewis ED Mayer SA Noble JM	Merritt's neurology	14 th	Wolters Kluwer Health	2021	9781975141226 E-book
	Jackson Timothy L	Moorfields Manual of Ophthalmology	3 rd	JP Medical Ltd	2019	9781909836945
	Batterbury M Murphy C	Ophthalmology: An illustrated Colour Text	4 th	Elsevier	2019	97800702075025
For more information on accessing the British National Formulary (BNF) please see the library guide Health Research Basics Additional information can also be found in the library guides: Clinical Placement Support Resources & Health Library Student Well-being Resources						
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					

Course title	Clinical Specialties: Obstetrics and Gynaecology			
Course code	MD-501			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 5 / Semester 9/10 (rotation) / (Penultimate Year)			
Course Lead	Professor Joseph Joseph Associate Dean for Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Large Group Learning	Large Group Learning
		3	3	3
Prerequisites	None		Required	None
Course purpose and objectives	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. In this course, students will work primarily with women of all ages, and, particularly during pregnancy, labour and birth, with their families. They will develop an understanding of the presentation, signs and symptoms, physical examination findings, investigations, diagnosis, treatment (medical, pharmacological and surgical) and management plan for straightforward and abnormal obstetric and gynaecological conditions. The course introduces the students to key processes in human procreation and development. They will follow normal and abnormal pregnancies, from conception to delivery and will encounter, and learn how to deal with, common obstetric problems, including emergencies. Students will also acquire an understanding of all aspects of health and illness relating to women from childhood to old age and will identify common problems related to the female reproductive system and describe their management.			
Learning outcomes	By the end of the course the students should be able to: 1. take a general obstetric history, and identify case-specific obstetric risk factors, from women with normal and abnormal pregnancies, in a sensitive and caring manner 2. describe, in detail, normal pregnancy, labour, delivery and the puerperium and its management. 3. take a focused gynaecological history from women with abnormal gynaecological presentations 4. carry out obstetric examinations, including what is required for a routine antenatal check.			

	5. carry out an abdominal examination, with particular relevance to common gynaecological conditions. 6. perform intimate examinations where appropriate, including vaginal and speculum examinations on both gynaecological and obstetric patients. 7. take cervical smears and where relevant vaginal and cervical swabs. 8. discuss a differential diagnosis for the presenting complaint 9. apply their knowledge of basic and clinical science to identify and explain appropriate investigations for Obstetrics & Gynaecology patients, interpret the results accurately 10. prepare and explain a treatment management plan for the patient to present to the responsible clinician to include medical, pharmacological, surgical options as appropriate 11. communicate effectively with women and colleagues about general health and problems related to their reproductive system. 12. work effectively as a key team member in the management of health and illness issues for women. 13. observe, and where appropriate, carry out or assist with, medical and surgical procedures relating to patients with obstetric and gynaecological conditions, planned and opportunistic. 14. Prescribe medications to treat patients with gynecological diseases and in pregnancy, and make appropriate therapeutic decisions.
Course content	Common presentations affecting the reproductive system including: • Neonatal congenital disorders • Prepubertal, pubertal, congenital and benign gynaecological disorders • Menstruation, vaginal bleeding and post-menopausal disorders • Sub-fertility • Sexually transmitted infections • Ovarian, endometrial and cervical cancer • Pregnancy and birth disorders
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions, theatre attendance and visits to the community.

Bibliography	Required textbooks/reading					
	Authors	Title	Edition	Publisher	Year	ISBN
	Symonds, I.M & Arulkumaran, S	Essential Obstetrics and Gynaecology	6 th	Elsevier	2019	9780702076381
	Barbara Hoffman, John Schorge, Karen Bradshaw, Lisa Halvorson, Joseph Schaffer, Marlene Cotton	Williams Gynaecology	4 th	Blackwell McGraw Hill	2020	9781260456868
	Cunningham FG, Leveno KJ, Dashe JS, Hoffman BL, Spong CY, Casey BM	Williams Obstetrics	26 th	McGraw Hill Medical	2022	9781260462739
	Hanretty, K	Obstetrics Illustrated	7 th	Churchill Livingstone	2009	9780702030666
	Joint Formulary Committee	http://bestpractice.bmj.com/drugs	Latest	BMJ Group and Pharmaceutical Press	Current year	
	National Institute for Health and Clinical Excellence	http://www.nice.org.uk/guidance	Latest		Current year	
	Recommended textbooks/reading					
	Authors	Title	Edition	Publisher	Year	ISBN
	Sally Collins, Kevin Hayes, Sabaratnam Arulkumaran, Kirana Arambage, Lawrence Impey	Oxford handbook of obstetrics and Gynaecology	4 th	Oxford	2023	9780198838678
	For more information on accessing the British National Formulary (BNF) please see the library guide Health Research Basics Additional information can also be found in the library guides: Clinical Placement Support Resources & Health Library Student Well-being Resources					
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					

Course title	Clinical Specialties: Paediatrics			
Course code	MD-501			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 5 / Semester 9/10 (rotation) / (Penultimate Year)			
Course Lead	Professor Joseph Joseph Associate Dean for Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Large Group Learning	Large Group Learning
		3	3	3
Prerequisites	None		Required	None
Course purpose and objectives	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. In this course, students will work primarily with children of all ages, and their families. They will develop an understanding of the presentation, signs and symptoms, physical examination findings, investigations, diagnosis, treatment (medical, pharmacological and surgical) and management plan for common paediatric illnesses. They will learn to recognize and manage the well and ill infant, child and adolescent, to elicit and interpret findings from history taken from a child or accompanying adult, to acquire sufficient skill to carry out a full physical examination of a child of any age, to interpret laboratory and imaging data, form a differential diagnosis and treatment plan and communicate information appropriately with the child or accompanying adult.			
Learning outcomes	After the completion of the course the students should be able to: 1. take a focused history from a child, or relative/guardian of a child, in a sensitive and caring manner. 2. carry out a sensitive physical examination of the newborn, infant, toddler, child and adolescent as part of investigation of the presenting complaint. 3. assess the adherence of a child to developmental milestones, outlining the different abilities of children at different ages. 4. explain the importance of growth in children and how to use a growth chart. 5. Discuss a differential diagnosis for the presenting complaint. apply their knowledge of basic and clinical science to identify and explain 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.			

	7. prepare and explain a treatment management plan for the child to present to the responsible clinician to include medical, pharmacological, surgical options as appropriate. 8. observe, and where appropriate carry out or assist with, procedures relevant to common paediatric conditions, including catheterisation, venepuncture, blood gas analysis, and lumbar puncture 9. discuss ways in which the delivery of care might be different for a child compared to an adult and describe how infants and children need different care at different ages. 10. outline the role of different professionals involved in the delivery of care to children and describe how a team works together to tailor treatment to the individual. 11. describe the routine immunisation schedule for children. 12. recognise signs of possible child abuse and outline procedures to be followed in the eventuality of coming across such abuse. 13. recognize when a parent or guardian must give consent on behalf of a child, and when the child is legally able to consent on his/her own. 14. Prescribe medications to treat children and make appropriate therapeutic management decisions.
Course content	Knowledge • Normal values of investigations in children and how they differ with age • Immunisation schedule for children • Metabolic, endocrine and growth in children and adolescents • Genetics and congenital conditions in childhood (e.g., Down syndrome, Turner syndrome, Klinefelter syndrome, and other congenital/dysmorphic syndromes) • Handicapping conditions of childhood and the services available for their amelioration • Neonatology • The scope of paediatric surgery • Common conditions affecting children and adolescents ○ Cot deaths ○ Respiratory conditions in children and adolescents ○ Heart and cardiovascular disease in children and adolescents ○ Neurology and development in children of all ages ○ Urinary tract and nephrology conditions in children and adolescents ○ Gastro-Intestinal disease in children and adolescents ○ Immunological, allergic and skin conditions affecting children and adolescents ○ Common childhood infections ○ Child psychiatry and aspects of social medicine affecting children ○ Child abuse, including safeguarding frameworks and referral pathways

	○ Musculoskeletal and joint problems affecting children and adolescents ○ Haematology and Oncology conditions affecting children and adolescents ○ Adolescent health, including psychosocial development, mental health and gynaecological issues (primarily addressed in Psychiatry and Obstetrics & Gynaecology courses) Skills • History-taking, examination, communication with children of all ages • Measurement and recording of developmental milestones; growth charts Professional competencies • Healthcare professionals involved in the care of children of all ages • Consent and Gillick/Fraser competence																																										
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions and visits to the community.																																										
Bibliography	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>Tom Lissaue, Will Carroll</td><td>Illustrated textbook of paediatrics</td><td>7th</td><td>Elsevier</td><td>2026</td><td>9780443286988</td></tr><tr><td>Foran A, Hensey C.</td><td>Paediatrics clinical examination made easy</td><td>7th</td><td>Elsevier</td><td>2026</td><td>9780323937870</td></tr><tr><td>Joint Formulary Committee</td><td>https://bestpractice.bmj.com/drugs</td><td>Latest</td><td>BMJ Group and Pharmaceutical Press</td><td>Current year</td><td></td></tr><tr><td>National Institute for Health and Clinical Excellence</td><td>https://www.nice.org.uk/guidance</td><td>Latest</td><td></td><td>Current year</td><td></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>Robert M. Kliegman, Joseph W. St. Geme III</td><td>Nelson textbook of pediatrics</td><td>22nd</td><td>Elsevier</td><td>2024</td><td>9780323883054</td></tr></table> For more information on accessing the British National Formulary (BNF) please see the library guide Health Research Basics Additional information can also be found in the library guides: Clinical Placement Support Resources & Health Library Student Well-being Resources	Authors	Title	Edition	Publisher	Year	ISBN	Tom Lissaue, Will Carroll	Illustrated textbook of paediatrics	7 th	Elsevier	2026	9780443286988	Foran A, Hensey C.	Paediatrics clinical examination made easy	7 th	Elsevier	2026	9780323937870	Joint Formulary Committee	https://bestpractice.bmj.com/drugs	Latest	BMJ Group and Pharmaceutical Press	Current year		National Institute for Health and Clinical Excellence	https://www.nice.org.uk/guidance	Latest		Current year		Authors	Title	Edition	Publisher	Year	ISBN	Robert M. Kliegman, Joseph W. St. Geme III	Nelson textbook of pediatrics	22 nd	Elsevier	2024	9780323883054
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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

Course title	Clinical Specialties: Psychiatry			
Course code	MD-501			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 5 / Semester 9/10 (rotation) / (Penultimate Year)			
Course Lead	Professor Joseph Joseph Associate Dean for Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Large Group Learning	Large Group Learning
		3	3	3
Prerequisites	None		Required	None
Course purpose and objectives	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. In this course, students will work primarily with patients with mental illness. They will develop an understanding of the presentation, signs and symptoms, physical examination findings (if any), investigations (if any), diagnosis, treatment (medical and psychological) and management plan for common psychiatric disorders. They will communicate with the mentally ill, take a psychiatric history from them and carry out a mental state examination, while appreciating the importance of psychological, biological and social factors in the presentation, diagnosis and treatment of physical and psychiatric illness.			

Learning outcomes	After completion of the course the students should be able to: 1. Take a psychiatric history from a patient, or relative of a patient, who is mentally ill in a sensitive and caring manner. 2. Carry out a mental state examination (and any necessary physical examination) as part of investigation of the presenting complaint. 3. Broadly outline a classification of mental illness differentiating between functional and organic illness and psychotic and neurotic states. 4. Discuss a differential diagnosis for the presenting complaint. 5. Identify appropriate investigations, if any, including blood and urine (e.g., for drugs) to assist in the diagnosis of the presenting complaint and to interpret the results from such tests. 6. Produce a comprehensive summary of the patient, to include symptoms and problems, aetiological factors, differential diagnosis, treatment plan and prognosis to present to the responsible clinician. 7. Describe the psychological, social (talking) and physical (pharmacological and other) therapies that may be used in the treatment of mental illness, and discuss possible adverse effects or complications of treatments. 8. Discuss the medico-legal and ethical dilemmas associated with working with the mentally ill, including the ethics of involuntary detention and treatment in psychiatry. 9. Describe how to carry out a risk assessment on a patient. 10. Prescribe medications to treat psychiatric patients and make appropriate therapeutic/management decisions.
Course content	• Addictive behaviour, alcohol, smoking and drugs • Mood disorders e.g. depression • Anxiety disorders, including phobias • Self-harm and suicide • Delirium (acute confusional state) • Eating disorders and obesity • Medically unexplained symptoms (somatoform, hypochondriacal and dissociative disorders) • Psychological aspects of chronic pain and disability • Schizophrenia and Psychosis, including delusions and hallucinations • Behavioural Disorders, including sexual dysfunction • Cognitive Problems (Organic Psychiatric Disorder) including dementia and Alzheimer's • Learning disability • Personality Disorder • Forensic Psychiatry • Psychiatry of aging and disability • Child and adolescent psychiatry

	• Psychological treatments • ECT • Mental Health Act • Capacity and consent to treatment																								
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions and visits to the community, including a hospice.																								
Bibliography	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>Padraig Wright, Julian Stern, Michael Phelan</td><td>Core Psychiatry</td><td>3rd</td><td>Saunders</td><td>2012</td><td>9780702033971</td></tr><tr><td>Joint Formulary Committee</td><td>https://bestpractice.bmj.com/drugs</td><td>Latest</td><td>BMJ Group and Pharmaceutical Press</td><td>Current year</td><td></td></tr><tr><td>National Institute for Health and Clinical Excellence</td><td>https://www.nice.org.uk/guidance</td><td>Latest</td><td></td><td>Current year</td><td></td></tr></table>	Authors	Title	Edition	Publisher	Year	ISBN	Padraig Wright, Julian Stern, Michael Phelan	Core Psychiatry	3 rd	Saunders	2012	9780702033971	Joint Formulary Committee	https://bestpractice.bmj.com/drugs	Latest	BMJ Group and Pharmaceutical Press	Current year		National Institute for Health and Clinical Excellence	https://www.nice.org.uk/guidance	Latest		Current year	
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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																								

Course title	Clinical Specialties: Rheumatology, Orthopaedics, Dermatology			
Course code	MD-501			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 5 / Semester 9/10 (rotation) / (Penultimate Year)			
Course Lead	Professor Joseph Joseph Associate Dean for Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Large Group Learning	Large Group Learning
		3	3	3
Prerequisites	None		Required	None
Course purpose and objectives	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. In this course, students will work primarily with patients with musculoskeletal, orthopaedic and skin disorders. They will develop an understanding of the presentation, signs and symptoms, physical examination findings, investigations, diagnosis, treatment (medical and/or surgical, including plastic surgery, as appropriate) and management plan for common musculoskeletal, orthopaedic and skin 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 musculoskeletal and integumentary systems and on patients requiring orthopaedic surgery. The students will gain a basic understanding of the application and type of information to be obtained from different methods for investigating musculoskeletal and skin disorders. They will also spend time in theatre observing musculoskeletal, orthopaedic and dermatological operations and plastic surgery.			

Learning outcomes	By the end of the course the students should be able to: 1. take a focused history from a patient, or relative of a patient, presenting with a musculoskeletal, orthopaedic or skin disorder, in a sensitive and caring manner. 2. carry out a sensitive physical examination as part of investigation of the presenting complaint. 3. discuss a differential diagnosis for the presenting complaint. apply their knowledge of basic and clinical science to identify and explain appropriate investigations, including blood and urine tests, nerve conduction tests, imaging, joint 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 rheumatological, orthopaedic and dermatological conditions, planned and opportunistic. 7. Prescribe medications to treat patients with disorders of the joints, muscles, ligaments and skin make appropriate therapeutic/management decisions.																													
Course content	Common presentations affecting the musculoskeletal system and skin including: ○ Rheumatoid and osteoarthritis ○ Connective tissue disorders ○ Disorders of bones and joints ○ Fractures, dislocations and ligament injuries ○ Disorders of the foot and spine ○ Skin disorders and infections ○ Sarcomas and skin cancer ○ Burn management and wound healing ○ Sports Medicine injuries																													
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.																													
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	Bleiker, Walayat Hussain, Rosalind C. Simpson	of Dermatology				
	Dandy, DJ Edwards DJ.	Essential orthopaedics and trauma	5 th	Churchill Livingstone	2009	9780443067174
	Joint Formulary Committee	https://bestpractice.bmj.com/drugs	Latest	BMJ Group and Pharmaceutical Press	Current year	
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Recommended textbooks/reading						
	Authors	Title	Edition	Publisher	Year	ISBN
	Stone J	Current diagnosis & treatment in rheumatology	4 th	McGraw Hill	2021	9781259644641
	Ramachandran M	Basic orthopaedic Sciences	2 nd	CRC Press	2017	9781444120981
For more information on accessing the British National Formulary (BNF) please see the library guide Health Research Basics Additional information can also be found in the library guides: Clinical Placement Support Resources & Health Library Student Well-being Resources						
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					