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| <b>Course title</b>                  | <b>Clinical Specialties: Paediatrics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  |                             |                          |
| <b>Course code</b>                   | <b>GEMD-401</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                             |                          |
| <b>Course type</b>                   | Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  |                             |                          |
| <b>Level</b>                         | Undergraduate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |                             |                          |
| <b>Year / Semester</b>               | Year 4 / Semester 7/8 (rotation) / (Penultimate Year)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |                             |                          |
| <b>Course Lead</b>                   | Professor Joseph Joseph<br>Associate Dean for Clinical Education                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                  |                             |                          |
| <b>ECTS</b>                          | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Teaching Periods per Week</b> |                             |                          |
|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Large Group Learning</b>      | <b>Small Group Learning</b> | <b>Clinical Practice</b> |
|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                                | 1                           | 36                       |
| <b>Course purpose and objectives</b> | <p>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.</p> <p>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.</p> <p>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.</p> |                                  |                             |                          |
| <b>Learning outcomes</b>             | <p>After the completion of the course the students should be able to:</p> <ol style="list-style-type: none"> <li>1. take a focused history from a child, or relative/guardian of a child, in a sensitive and caring manner.</li> <li>2. carry out a sensitive physical examination of the newborn, infant, toddler, child and adolescent as part of investigation of the presenting complaint.</li> <li>3. assess the adherence of a child to developmental milestones, outlining the different abilities of children at different ages.</li> <li>4. explain the importance of growth in children and how to use a growth chart.</li> <li>5. Discuss a differential diagnosis for the presenting complaint.<br/>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.</li> </ol>                                                                                                                                                                                                                                                                                                                         |                                  |                             |                          |

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|                       | <p>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.</p> <p>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</p> <p>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.</p> <p>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.</p> <p>11. describe the routine immunisation schedule for children.</p> <p>12. recognise signs of possible child abuse and outline procedures to be followed in the eventuality of coming across such abuse.</p> <p>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.</p> <p>14. Prescribe medications to treat children and make appropriate therapeutic management decisions.</p> |                 |      |
| <b>Prerequisites</b>  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Required</b> | None |
| <b>Course content</b> | <p>Knowledge</p> <ul style="list-style-type: none"> <li>• Normal values of investigations in children and how they differ with age</li> <li>• Immunisation schedule for children</li> <li>• Metabolic, endocrine and growth in children and adolescents</li> <li>• Genetics and congenital conditions in childhood (e.g. Down syndrome, Turner syndrome, Klinefelter syndrome, and other congenital/dysmorphic syndromes)</li> <li>• Handicapping conditions of childhood and the services available for their amelioration</li> <li>• Neonatology</li> <li>• The scope of paediatric surgery</li> <li>• Common conditions affecting children and adolescents <ul style="list-style-type: none"> <li>○ Cot deaths</li> <li>○ Respiratory conditions in children and adolescents</li> <li>○ Heart and cardiovascular disease in children and adolescents</li> <li>○ Neurology and development in children of all ages</li> <li>○ Urinary tract and nephrology conditions in children and adolescents</li> <li>○ Gastro-Intestinal disease in children and adolescents</li> <li>○ Immunological, allergic and skin conditions affecting children and adolescents</li> <li>○ Common childhood infections</li> </ul> </li> </ul>                       |                 |      |

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|                                                                               | <ul style="list-style-type: none"><li>○ Child psychiatry and aspects of social medicine affecting children</li><li>○ Child abuse, including safeguarding frameworks and referral pathways</li><li>○ Musculoskeletal and joint problems affecting children and adolescents</li><li>○ Haematology and Oncology conditions affecting children and adolescents</li><li>○ Adolescent health, including psychosocial development, mental health and gynaecological issues (primarily addressed in Psychiatry and Obstetrics &amp; Gynaecology courses)</li></ul> <p>Skills</p> <ul style="list-style-type: none"><li>• History-taking, examination, communication with children of all ages</li><li>• Measurement and recording of developmental milestones; growth charts</li></ul> <p>Professional competencies</p> <ul style="list-style-type: none"><li>• Healthcare professionals involved in the care of children of all ages</li><li>• Consent and Gillick/Fraser competence</li></ul> |                                                                                     |                 |                                    |               |               |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |                 |                                    |               |               |
|                                                                               | Authors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Title                                                                               | Edition         | Publisher                          | Year          | ISBN          |
|                                                                               | Tom Lissaue, Will Carroll                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Illustrated textbook of paediatrics                                                 | 7 <sup>th</sup> | Elsevier                           | 2026          | 9780443286988 |
|                                                                               | Foran A, Hensey C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Paediatrics clinical examination made easy                                          | 7 <sup>th</sup> | Elsevier                           | 2026          | 9780323937870 |
|                                                                               | Joint Formulary Committee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="https://bestpractice.bmj.com/drugs">https://bestpractice.bmj.com/drugs</a> | Latest          | BMJ Group and Pharmaceutical Press | Current year  |               |
|                                                                               | National Institute for Health and Clinical Excellence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="https://www.nice.org.uk/guidance">https://www.nice.org.uk/guidance</a>     | Latest          |                                    | Current year  |               |
|                                                                               | Recommended textbooks/reading                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     |                 |                                    |               |               |
| Authors                                                                       | Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Edition                                                                             | Publisher       | Year                               | ISBN          |               |
| Robert M. Kliegman, Joseph W. St. Geme III                                    | Nelson textbook of pediatrics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22 <sup>nd</sup>                                                                    | Elsevier        | 2024                               | 9780323883054 |               |
| For more information on accessing the British National Formulary (BNF) please |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                 |                                    |               |               |

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|                   | <p>see the library guide <a href="#">Health Research Basics</a></p> <p>Additional information can also be found in the library guides: <a href="#">Clinical Placement Support Resources</a> &amp; <a href="#">Health Library Student Well-being Resources</a></p> |
| <b>Assessment</b> | <p>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.</p>                                                               |
| <b>Language</b>   | <p>English</p>                                                                                                                                                                                                                                                    |