DISCOVER CLINICAL ANATOMY

MSc in CLINICAL ANATOMY
MSc in CLINICAL ANATOMY AND EDUCATION
Postgraduate Brochure 2022/23

hyms.ac.uk
EXPERIENCE THE UNIQUE OPPORTUNITY TO LEARN FROM EXPERTS AT THE FOREFRONT OF NEW DEVELOPMENTS IN CLINICAL ANATOMY

"We are proud to offer programmes which we believe provide a unique opportunity to immerse yourself in the practical and in-depth study of clinical anatomy. Dissection is at the core of our programmes, enabling you to enhance your knowledge and develop your practical skills. The experience we offer will help you to further your career and improve your employment opportunities. We look forward to welcoming you to Hull York Medical School and working closely with you as partners in your learning experience."

Dr Lauren Clunie, Programme Director, Lecturer in Clinical Anatomy, Fellow of the Higher Education Academy
A DIFFERENT KIND OF MEDICAL SCHOOL

As a postgraduate taught student at Hull York Medical School, you will be welcomed into our vibrant and supportive community, addressing the needs of an ever-changing healthcare environment.

You will be taught by world-leading subject experts, clinicians and researchers, who will encourage you to think independently and critically, so you graduate with the expertise to succeed in a rapidly changing healthcare environment.

We are the joint medical school of the Universities of Hull and York, and as such you will have access to the world-class facilities, equipment and expertise as well as the learning resources of both our parent universities.

Conducting whole-body Thiel dissection is a real privilege, and allows you to manipulate the human body in a realistic manner which is incredibly insightful. Small group seminars are a great help in putting the anatomical learning into a clinical context, supported by an expert surgeon.

Dr Savraj Kalsi, Junior Doctor, and graduate from the MSc in Clinical Anatomy and Education programme

TAKE A LOOK AT OUR PROGRAMME VIDEO
hyms.ac.uk/clinical-anatomy
DISCOVER THE MSc IN CLINICAL ANATOMY

The MSc in Clinical Anatomy provides unique opportunities to immerse yourself in the practical and in-depth study of clinical anatomy. The programme is built around core dissection-based modules, and a range of complementary optional modules allowing you to gain an in-depth understanding of all the fundamental pillars of anatomy, including embryology, neuroanatomy, histology and radiology. You will be encouraged to be a self-directed learner and challenge your knowledge and ways of thinking about the human body.

This programme offers you the opportunity to conduct whole-body dissection and in doing so develop a deep understanding of the complex nature of the whole of the human body and how that relates to your clinical practice.

You will work at your own pace and in your own self-directed learning time, using cadavers embalmed using both Thiel-based techniques, ensuring material is as close to living tissue as possible, and Formalin-based techniques, keeping the material in defined anatomical relationships.

This programme also features guest seminars from visiting surgeons and consultants, who will bring patient cases to share with you, so you can apply your knowledge within a clinical context. These experts come from a range of specialities and include plastic, thoracic and orthopaedic surgeons, physiotherapists, radiologists and emergency medicine doctors.

Conduct whole-body dissection and develop a deep understanding of the entire human body.
HOW IS THE PROGRAMME TAUGHT?

We encourage all our students to be life-long self-directed learners. You will have numerous opportunities to immerse yourself in the subject, and you will be the driving force behind your own learning and development.

You will also benefit from a variety of teaching techniques to help you get the most out of your studies. These sessions include:

- Whole body dissection on Thiel-embalmed cadavers
- Online and digital learning and assessment resources
- Practical laboratory activities
- Independent study
- Small group work
- Seminars and workshops
- Peer discussion and observation
- Flipped classrooms
- Reflective portfolios
- Dissertation supervision

MSc IN CLINICAL ANATOMY: KEY FACTS

FLEXIBLE STUDY
You can choose to study full-time for one year, or part-time over two or three years to fit around your work and home life.

LOCATION
You will be based predominantly at Hull York Medical School’s facilities at the University of Hull, although you may be required to travel to the University of York for some study days on the optional education modules.

MODULES
The programme is a 180 credit Masters programme, with three core taught modules (20 credits each), a core research project/dissertation (60 credits) and a choice between optional taught modules (20 credits each for a total of 60 credits). Learn more about modules on p14.

ASSESSMENT
Assessments vary by module, and include exams, written assessments, oral presentations, research reports and a dissertation. See p14.

CAREERS
Students on this programme come from a diverse range of backgrounds and go on to develop careers in surgery, clinical practice and allied health disciplines, or go on to further study. This programme is also invaluable if you are a practising clinician or healthcare professional considering an academic career or a career in medical education.

INTERCALATION
The MSc in Clinical Anatomy will equip you with the skills and experience to become a better clinician or clinical academic, giving you a competitive edge when applying for foundation year training, specialty training and jobs. If you are considering taking a year out from your undergraduate Medicine programme to intercalate, and you are interested in developing your clinical anatomical knowledge and skills, this programme is ideal.
If you are interested in developing a deep understanding of the clinical anatomy of the human body, and acquiring skills in teaching and assessing clinical anatomy, the MSc in Clinical Anatomy and Education is ideal.

This programme combines the core modules and full-body dissection elements from the MSc in Clinical Anatomy programme with modules from our Higher Education Academy-accredited MSc in Health Professions Education programme.

You will receive a comprehensive professional education that focuses on developing teachers and researchers of anatomy. You can choose from a range of education electives, where you will study alongside students on the MSc in Health Professions Education programme. You will have the opportunity to conduct a high-quality educational research project, supported by experts in medical education.

By undertaking the MSc in Clinical Anatomy and Education, you will have the ability to put your educational training into practice with the opportunity to teach anatomy on our undergraduate Medicine programmes. This experience will prepare you to teach anatomy in a medical environment, whether or not you come from a clinical background. Moreover, you will leave the programme with enough teaching experience to become an Associate Fellow of the Higher Education Academy and gain the right to use the post-nominal letters AFHEA.

This programme also features guest seminars from visiting surgeons and consultants, who will bring patient cases to share with you, so you can apply your knowledge to a clinical setting. These experts come from a range of specialities and include plastic, thoracic and orthopaedic surgeons, physiotherapists, radiologists and emergency medicine doctors.

You will gain enough teaching experience to become an Associate Fellow of the Higher Education Academy.
MSc in Clinical Anatomy and Education: Key Facts

Flexible Study
You can choose to study full-time for one year, or part-time over two or three years to fit around your work and home life.

Location
You will be based predominantly at Hull York Medical School’s facilities at the University of Hull. The education modules are delivered by teaching staff of the MSc in Health Professions Education and will involve online distance learning and face-to-face study days (one per term) at the University of York.

Modules
The programme is a 180 credit Masters programme, with four core taught modules (20 credits each), a core research project/dissertation (60 credits) and a choice between optional taught modules (5 - 20 credits each for a total of 60 credits). You will need to choose at least two education elective modules. Learn more about modules on p14.

Assessment
Assessments vary by module, and include exams, written assessments, oral presentations, group projects, research reports and a dissertation. See p14.

Careers
Students on this programme come from a diverse range of backgrounds and go on to develop careers in anatomy or medical education, surgery, clinical practice and allied health disciplines, or go on to further study. Students who wish to embark upon a career will benefit from the competitive edge afforded by the opportunities for teaching and for research publication when applying for foundation year or specialty training, or for clinical education positions.

Students who wish to embark upon a career in medical or anatomical education will benefit from a solid pedagogical underpinning and extensive teaching experience. Graduates of this programme have gone onto further study, or directly into higher education teaching positions.

Intercalation
The MSc in Clinical Anatomy and Education is an intensive programme, but one that will equip you with the skills and experience to become a better educator, clinician or academic, giving you a competitive edge when applying for careers in both medical education and clinical practice. If you are considering taking a year out from your undergraduate Medicine programme to intercalate, and you are not only interested in developing your clinical anatomical knowledge and skills, but also your knowledge and expertise in teaching and learning, this programme is ideal.

How is the Programme Taught?

This MSc demands a high level of dedication and a strong focus on your own self-directed learning. However, you will have a high number of contact hours to support you as you deepen your anatomical knowledge, providing you with the practical and critical thinking skills to translate your experience of handling cadaveric anatomy to the functional anatomy of the living person.

The programme is built around a core of whole-body dissection, with seminars, extensive practical classes and workshops as well as self-directed learning.

As someone who is interested in pursuing a career in medical education, studying a joint MSc in Clinical Anatomy and Education was an unrivalled opportunity.

Dr Walter Mercer-Holland, Junior Doctor, and graduate from the MSc in Clinical Anatomy and Education programme
Our programmes offer an exciting mix of core modules and electives. If you opt to study Clinical Anatomy and Education, you will need to choose at least two education elective modules and complete a research project on education.

**CORE MODULES**

**CLINICAL ANATOMY OF THE LIMBS AND SPINE**
You will develop an advanced knowledge and critical understanding of the normal and variant clinical anatomy of the limbs, vertebral column and back.

Assessment: Written portfolio assessment 30%, timed exam 40%, anatomy spotter exam 30%

**CLINICAL ANATOMY OF THE HEAD AND NECK**
You will develop an advanced knowledge and critical understanding of the normal and variant clinical anatomy of the human head and neck.

Assessment: Written portfolio assessment 30%, timed exam 40%, anatomy spotter exam 30%

**CLINICAL ANATOMY OF THE TRUNK**
You will develop an advanced knowledge and critical understanding of the normal and variant clinical anatomy of the human trunk (the thorax, abdomen and pelvis).

Assessment: Written portfolio assessment 30%, timed exam 40%, anatomy spotter exam 30%

**RESEARCH PROJECT/DISSERTATION**
With the support of your supervisor, you will review recent and significant literature, formulate a research question, write a proposal, undertake original research, and submit a 15,000 word dissertation.

Assessment: Project presentation 20%, dissertation 80%

**RESEARCH SKILLS ELECTIVE MODULES**

**EDUCATIONAL RESEARCH**
This module will provide you with a robust introduction and overview of the philosophies, methodologies and key research methods in the area of pedagogic research.

Assessment: Project proposal 100%

**RESEARCH METHODS AND STATISTICS**
During this module you will learn about quantitative data analysis methods, use of statistical analysis software, qualitative data analysis methods and the process of research design, ethics and Open Science.

Assessment: Research report 100%

**ANATOMY ELECTIVE MODULES**

**CLINICAL MICROANATOMY**
This module offers the opportunity for a critical exploration of the micro-structure of the tissues and organs of the body related to function. You will develop your skills in interpretation and evaluation of normal and pathological samples and knowledge of how tissue biopsies are prepared and analysed.

Assessment: Timed exam 50%, written assignment 50%

**RADIOLOGICAL ANATOMY**
This module complements the clinical anatomy core modules and offers the opportunity to apply your developing anatomical knowledge to the interpretation of normal, common or clinically significant variant and pathological anatomy in radiological imaging using real (anonymised) patient data.

Assessment: Practical workbook 60%, written exam 40%

**EMBRYOLOGY AND CLINICAL NEUROANATOMY**
You will explore the fundamentals of human embryology from a clinical and anatomical perspective, alongside the detailed clinical anatomy of the brain and spinal cord in the topographical, developmental, and functional and radiological context.

Assessment: Oral presentation 30%, written assignment 40%, anatomy spotter exam 30%

**EDUCATION ELECTIVE MODULES**

**LEARNING AND TEACHING**
This module introduces you to the basic principles in learning and teaching within a health profession and clinical environment, enhancing your skills as an effective clinical teacher with a good grounding in educational theory.

Assessment: Written assessment 100%

**ANATOMY PEDAGOGY**
This module will prepare you to teach anatomy by introducing different pedagogic approaches, assessment methods that are unique to anatomy, and concepts relating to legislation, storage and preparation of cadaveric material, as well as the historical, social and ethical context of its study.

Assessment: Written assessment 100%

**CONTEMPORARY ISSUES IN HEALTH PROFESSIONS EDUCATION**
This module takes you from educational theory and the context of teaching through to factors influencing curriculum reform and design.

Assessment: Group wiki project 10%, written assignment 90%

**ASSESSMENT AND FEEDBACK**
This module covers the key principles and practices underpinning effective assessment and feedback. It explores links between assessment and learning.

Assessment: Group wiki project 10%, written assignment 90%

Please note that specific module details may change from time to time. For the latest information, please visit our website.
### Programme Timelines*

#### One Year Full-time Indicative Timetable

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<th>Term 1</th>
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<th>Term 3 (+Summer)</th>
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<td>Clinical Anatomy of the Limbs &amp; Spine (20)</td>
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#### Three Year Part-time Indicative Timetable

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<td><strong>Year 3</strong></td>
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*The programme timelines above are for illustrative purposes only and are subject to change.
SUPPORTING YOU TO SUCCEED

Postgraduate study requires a huge personal commitment, and these programmes are no different. They are intensive and challenging, but ultimately hugely rewarding. In addition to the student support services at the Universities of Hull and York, we at Hull York Medical School also have our own dedicated student support team, providing a range of pastoral services to all students.

Learn more about student support
hyms.ac.uk/studentsupport

INTERCALATION

If you are currently studying Medicine, you may have the option to take a year out of your medical degree to do an intercalating degree. Choosing to intercalate brings many benefits, from broadening your horizons through study of a subject you are passionate about, to developing your research and academic inquiry skills and career prospects.

A well-chosen intercalation programme can provide a significant career stepping stone, whether as a clinical academic or in a particular specialism, providing you with the broader skillset and expertise you need to succeed in your chosen area.

Discover more about the benefits of intercalating on our Clinical Anatomy programmes on p9 and p13.

Learn more about intercalation
hyms.ac.uk/intercalation

YOUR APPLICATION

ENTRY REQUIREMENTS

Applicants must have a 2:1 (Hons) degree in Biomedical Science, Anatomical Science, Veterinary Medicine, Zoology or a related subject, to include training in human or mammalian biology with considerable emphasis on anatomy. You are encouraged to highlight previous anatomical experience in your application.

Applicants whose first language is not English will be required to demonstrate evidence of proficiency in English Language with one of the following:
- IELTS: 6.5, with no less than 6.0 in each component
- PTE Academic: 61, with no less than 55 in each component
- CAE and CPE (from January 2015): 176, with no less than 169 in each component
- TOEFL: 87, with a minimum of 21 in each component
- Trinity ISE: Level 3 with Merit in all components
- Duolingo: 110, minimum 100 in all other components

Intercalating medical students must have successfully completed a minimum of three years of an MB BS or comparable medical qualification.

FEES AND FUNDING

Please visit our website for comprehensive and up-to-date information on tuition fees, as well as financial support available, including loans and scholarship opportunities:
hyms.ac.uk/clinical-anatomy
hyms.ac.uk/clinical-anatomy-and-education

KEEP IN TOUCH

There are lots of ways to find out more about our Clinical Anatomy programmes. From virtual taster sessions, to on-campus Open Days, we run events throughout the year to allow you to gain a deeper insight into postgraduate study at Hull York Medical School. Visit hyms.ac.uk/pgopendays for the latest information, or subscribe to our postgraduate newsletter at hyms.ac.uk/postgraduatetaught to make sure you stay up-to-date with all the latest information.

HOW TO APPLY

Apply to the MSc in Clinical Anatomy or MSc in Clinical Anatomy and Education now at:
hyms.ac.uk/clinical-anatomy or
hyms.ac.uk/clinical-anatomy-and-education
FURTHER INFORMATION

Admissions Enquiries:
pgtadmissions@hyms.ac.uk

Learn more about the MSc in Clinical Anatomy
hyms.ac.uk/clinical-anatomy

Learn more about the MSc in Clinical Anatomy and Education
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