PURSUE YOUR PASSION

MSc IN CLINICAL ANATOMY
MSc IN CLINICAL ANATOMY AND EDUCATION

EDUARDO MUSCOGLIATI,
MSc IN CLINICAL ANATOMY
AND EDUCATION, CLASS OF 2023

HYMS.AC.UK
A UNIQUE OPPORTUNITY

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 PAUL MCKEEGAN, INTERIM PROGRAMME DIRECTOR

TO LEARN FROM EXPERTS AT THE FOREFRONT OF NEW DEVELOPMENTS IN CLINICAL ANATOMY
CONTENTS

2 WELCOME

4 CASE STUDY: NATHAN GALLAGHER, CLASS OF 2022

5 A DIFFERENT KIND OF MEDICAL SCHOOL

7 DISCOVER THE MSc IN CLINICAL ANATOMY

10 DISCOVER THE MSc IN CLINICAL ANATOMY AND EDUCATION

13 MODULES

16 PROGRAMME TIMELINES

18 SUPPORTING YOU TO SUCCEED

19 YOUR APPLICATION

FULL-TIME: 1 YEAR
PART-TIME: 2 OR 3 YEARS

(Please note that the part-time study option is only available to those international students who do not require a visa to study in the UK)

BASED PRIMARILY AT THE UNIVERSITY OF HULL

AVAILABLE AS AN INTERCALATED DEGREE
"A GREAT LEARNING EXPERIENCE THAT I DIDN’T WANT TO MISS OUT ON"

NATHAN GALLAGHER, INTERCALATING MEDICAL STUDENT, CLASS OF 2022

As an intercalating medical student, the opportunity to learn anatomy via full body dissection was a great learning experience that I didn’t want to miss out on. The way the course at Hull York Medical School works suited me perfectly; students are given a lot of time for self-directed learning, which leaves you free to learn in your own way while receiving plenty of direction and guidance.

The programme provided invaluable experience that will help me towards my goal of pursuing a career in surgery, while the opportunity to teach undergraduate medical students and pursue an AFHEA as part of the course has added another string to my bow when applying for future jobs, as well as deepening my understanding of anatomy.

In addition to full body dissection, the seminar programme undoubtedly improved my critical analysis, my understanding of a variety of anatomical areas and my appreciation of the social side of medicine.
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.
"Being able to perform full body dissection of Thiel-embalmed cadavers is a once in a lifetime opportunity."

RODRIGO MUSCOGLIATI, INTERCALATING MB BS STUDENT, MSc IN CLINICAL ANATOMY AND EDUCATION, CLASS OF 2023
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.
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. (Please note that the part-time study option is only available to those international students who do not require a visa to study in the UK)

LOCATION
You will be based predominantly at Hull York Medical School’s facilities at the University of Hull, though modules hosted by the University of York have at least one study day delivered on the York campus.

MODULES
This programme offers a range of 20 credit modules including: three clinical anatomy dissection modules, three optional anatomy modules, three research skills modules, four education modules, and one research project/dissertation (60 credits). To gain the MSc, students must select 180 credits in total. The chosen combination of modules is flexible, however, for MSc Clinical Anatomy students the choice of modules must include 40 credits of clinical anatomy dissection modules and 60 credits from the research project/dissertation module.

ASSESSMENT
Assessments vary by module, and include exams, written assessments, oral presentations, research reports and a dissertation. Learn more about assessments on p14.

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, speciality 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.

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.
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.

In addition, we employ a variety of teaching, learning and assessment techniques to deliver these programmes through structured sessions led by tutors and/or clinicians to help you get the most out of your studies with us. These sessions include:

• WHOLE BODY DISSECTION ON THIEL-EMBALMED CADAVERS
• ONLINE AND DIGITAL LEARNING RESOURCES
• PRACTICAL LABORATORY ACTIVITIES
• INDEPENDENT STUDY
• SMALL GROUP WORK
• SEMINARS AND WORKSHOPS
• PEER DISCUSSION AND OBSERVATION
• TEACHING PRACTICE
• FLIPPED CLASSROOMS
• REFLECTIVE PORTFOLIOS
• DISSERTATION SUPERVISION

In addition, some modules are delivered by York-based teaching staff and will involve online distance learning and face-to-face study days at the University of York.

“Exploring clinical anatomy has helped me tremendously to strengthen my understanding of the human body as a medic. All those surgical scenarios encountered in medical school now make more sense to me. When talking about anatomical variations for instance, I now more than ever can visualise the organ, the nerve, the artery and so on.”

DR SHAHRZAD MIRZA TORABI,
PRACTISING DOCTOR IN IRAN,
MSc IN CLINICAL ANATOMY, CLASS OF 2023
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 Advance HE-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.
**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. (Please note that the part-time study option is only available to those international students who do not require a visa to study in the UK)

**LOCATION**

You will be based predominantly at Hull York Medical School's facilities at the University of Hull, though modules hosted by the University of York have at least one study day delivered on the York campus.

**MODULES**

This programme offers a range of 20 credit modules including: three clinical anatomy dissection modules, three optional anatomy modules, three research skills modules, four education modules, and one research project/dissertation (60 credits).

To gain the MSc, students must select 180 credits in total. The chosen combination of modules is flexible, however, for MSc Clinical Anatomy and Education students the choice of modules must include 40 credits of clinical anatomy dissection modules, 40 credits of education modules and 60 credits from the research project/dissertation module.

**ASSESSMENT**

Assessments vary by module, and include exams, written assessments, oral presentations, group projects, research reports and a dissertation. Learn more about assessments on p13.

**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.

If you are considering taking a year out from your undergraduate Medicine programme to intercalate, and you are interested in not only developing your clinical anatomical knowledge and skills, but also your knowledge and expertise in teaching and learning, this programme is ideal.

**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 clinical career will benefit from the competitive edge afforded by the opportunities for teaching and for research publication when applying for foundation year or speciality 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. This programme is ideal for those interested in becoming an anatomy educator within medical or other health professions programmes.
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. See p9 for full details of how the programme is taught.

YOU WILL GAIN ENOUGH TEACHING EXPERIENCE TO BECOME AN ASSOCIATE FELLOW OF THE HIGHER EDUCATION ACADEMY
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.

**CLINICAL ANATOMY OF THE LIMBS AND SPINE**

Through in-depth dissection, you will develop an advanced spatial, topographic and relational knowledge 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%

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**CLINICAL ANATOMY OF THE TRUNK**

Through in-depth dissection, you will develop an advanced spatial, topographic and relational knowledge of the normal and variant anatomy of the human thorax, abdomen and pelvis.

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

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**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%

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Please note that specific module details may change from time to time. For the latest information, please visit our website.
OPTIONAL MODULES

EDUCATION OPTIONAL MODULES

LEARNING AND TEACHING

This module introduces you to the key principles of teaching and learning in the health professions. It will enable you to confidently prepare, deliver and evaluate teaching sessions in your area of practice.

ASSESSMENT:
Written assessment 100%

ANATOMY PEDAGOGY

This module will introduce you to a range of subject specific pedagogic approaches and help you to explore the evidence base around their use, in the legal, ethical, and social context of working with human tissue.

ASSESSMENT:
Written assessment 100%

ASSESSMENT AND FEEDBACK

This module covers the key principles and practices underpinning effective assessment and feedback. You will learn to engage critically with the literature relating to assessment and feedback and use case studies to explore the relationships between assessment, feedback and learning.

ASSESSMENT:
Group wiki project 20%, Written assessment 80%

CONTEMPORARY ISSUES IN HEALTH PROFESSIONS EDUCATION

This module challenges you to reconsider the ideologies and assumptions underpinning current models of curriculum, course and assessment design in science and health professions education.

ASSESSMENT:
Written assessment 100%

Please note that specific module details may change from time to time. For the latest information, please visit our website.
ANATOMY OPTIONAL 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:
Group presentation 20%, workbook 80%

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:
Group presentation 20%, workbook 80%

EMBRYOLOGY AND CLINICAL NEUROANATOMY

You will explore the fundamentals of human embryology from a clinical and anatomical perspective, alongside the 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%

RESEARCH SKILLS OPTIONAL MODULES

EDUCATIONAL RESEARCH

Through in-depth dissection, you will develop an advanced spatial, topographic and relational knowledge of the normal and variant clinical anatomy of the limbs, vertebral column and back.

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%

PRACTICAL SKILLS IN VIRTUAL ANATOMY AND MORPHOLOGY

This module provides the analytical and practical computational skills to develop virtual and 3D-printed models. You will also acquire the basic morphometric skills required to quantify variations in the size and shape of structures using a range of measurements and statistical approaches, including geometric morphometrics methods (GMM).

ASSESSMENT:
Lab report 60%, poster presentation 40%

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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<thead>
<tr>
<th>CORE</th>
<th>TERM 1</th>
<th>TERM 2</th>
<th>TERM 3 (+Summer)</th>
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<tbody>
<tr>
<td></td>
<td>Clinical Anatomy of the Trunk (20)</td>
<td>Clinical Anatomy of the Limbs &amp; Spine (20)</td>
<td>Dissertation/Research Project (60)</td>
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<td>• Embryology &amp; Clinical Neuroanatomy (20)</td>
<td>• Radiological Anatomy (20)</td>
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<td>• Clinical Microanatomy (20)</td>
<td>• Anatomy Pedagogy (20)</td>
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<td></td>
<td>• Learning and Teaching (20)</td>
<td>• Assessment and Feedback (20)</td>
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<td></td>
<td>• Educational Research (20)</td>
<td>• Contemporary Issues in Health Professions Education (20)</td>
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<td></td>
<td>• Practical Skills in Virtual Anatomy and Morphology (20)</td>
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<td></td>
<td>• Research Methods and Statistics (20)</td>
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## Two Year Part-Time Indicative Timetable

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<th>TERM 3 (+Summer)</th>
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<tr>
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<td>Clinical Anatomy of the Head &amp; Neck (20)</td>
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*The programme timelines above are for illustrative purposes only and are subject to change.*
# THREE YEAR PART-TIME INDICATIVE TIMETABLE

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<tr>
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<tr>
<td><strong>TERM 1</strong></td>
<td>Clinical Anatomy of the Trunk (20)</td>
<td>Select one module&lt;br&gt;• Embryology &amp; Clinical Neuroanatomy (20)&lt;br&gt;• Clinical Microanatomy (20)&lt;br&gt;• Learning and Teaching (20)&lt;br&gt;• Educational Research (20)&lt;br&gt;• Practical Skills in Virtual Anatomy and Morphology (20)&lt;br&gt;• Research Methods and Statistics (20)</td>
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<tr>
<td><strong>TERM 2</strong></td>
<td>Clinical Anatomy of the Limbs &amp; Spine (20)</td>
<td>Select one module&lt;br&gt;• Radiological Anatomy (20)&lt;br&gt;• Anatomy Pedagogy (20)&lt;br&gt;• Assessment and Feedback (20)&lt;br&gt;• Contemporary Issues in Health Professions Education (20)</td>
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**YEAR 2**
- Core: Clinical Anatomy of the Trunk (20)
- Options: Select one module<br>• Embryology & Clinical Neuroanatomy (20)<br>• Clinical Microanatomy (20)<br>• Learning and Teaching (20)<br>• Educational Research (20)<br>• Practical Skills in Virtual Anatomy and Morphology (20)

**YEAR 3**
- Dissertation/Research Project (60)
When you join Hull York Medical School, you join a close-knit community. Our aim is to ensure you get the most out of your time at medical school, and that you are supported throughout your postgraduate studies.

Our postgraduate programmes are intensive and challenging but ultimately hugely rewarding. Our programmes develop you to become a self-directed learner – and therefore a lifelong learner.

We recognise that there may be times when you need additional support to help you manage academic or personal pressures, and we are here to help.

Our Student Wellbeing Team have expertise in supporting postgraduate students and can help signpost students to support services within the Medical School, in our parent universities and external agencies as appropriate.

LEARN MORE ABOUT STUDENT SUPPORT

TO SUCCEED

18 | CLINICAL ANATOMY
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 need to demonstrate proficiency in English as follows: IELTS: 6.5, with no less than 6.0 in each component. Please visit our website for the latest requirements and information.

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

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 p8 and p11.

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.

Click the links above to visit our website where you can find details of upcoming events, or subscribe to our postgraduate newsletter so you never miss the latest announcements.
FURTHER INFORMATION
Admissions Enquiries:
pgtadmissions@hyms.ac.uk

Visit our website for the latest information
Clinical Anatomy
hyms.ac.uk/clinical-anatomy

Clinical Anatomy and Education
hyms.ac.uk/clinical-anatomy-and-education

All details were correct at time of publication (September 2023). For the most up-to-date programme information and entry requirements, please visit hyms.ac.uk/clinical-anatomy and hyms.ac.uk/clinical-anatomy-and-education.