DELIVERING EXCEPTIONAL MEDICAL EDUCATION

MSc CLINICAL ANATOMY

MSc CLINICAL ANATOMY AND EDUCATION

Postgraduate Brochure 2021-22
Welcome to Hull York Medical School, where we deliver exceptional medical education in a vibrant and supportive learning environment. Our experts and clinicians will encourage you to think independently, critically and differently. So if you are passionate about anatomy and want to boost your career, you’re in good hands.
A DIFFERENT KIND OF MEDICAL SCHOOL

Hull York Medical School is a unique partnership between the Universities of Hull and York, meaning you will have access to a wealth of resources from both institutions.

We look at medical education differently and we believe our graduates are better clinicians, practitioners and researchers as a result. On our programmes, you will become a lifelong learner, developing the skills and techniques to question perceived knowledge and to push the boundaries of what we know and understand about human anatomy.

We will encourage you to delve more deeply into human anatomy and apply carefully honed research and analytical skills to uncover new truths. As critical, enquiring and resilient students, we believe you will be better equipped to succeed.

As a Masters student studying Clinical Anatomy, you will be able to schedule your own dissection time in our state-of-the-art HTA-licensed facilities, working on Thiel embalmed cadavers. Working with our experts you will be able to direct your learning to suit your own career goals.

We are proud to offer two 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 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 Kat Sanders, Programme Director

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.

Savraj Kalsi, intercalating Medicine student, MSc Clinical Anatomy

PASSIONATELY

OBJECTIVE

Take a look at our programme video at hyms.ac.uk/clinical-anatomy
ABOUT THE PROGRAMMES

At Hull York Medical School, we believe we offer the very best, most rigorous and most exciting Clinical Anatomy programmes. You can choose between two programmes: Clinical Anatomy, and Clinical Anatomy and Education, and both are designed to give you advanced training in critically applied human anatomy. You will be able to choose from a range of modules to tailor the programme to suit your interests and career goals.

As well as improving your anatomical knowledge, you will also develop an analytical approach to research, manual dissection skills, presentation skills and gain invaluable teaching experience. We have developed these programmes around core dissection-based modules and throughout the duration of the course, you will conduct whole-body dissection. This is an unparalleled opportunity to learn about all aspects of human anatomy and to get first-hand dissection experience.

35% OF OUR RESEARCH IS WORLD-LEADING OR INTERNATIONALLY EXCELLENT (REF)

YOU WILL LEARN FROM EXPERIENCED CLINICIANS CURRENTLY IN PRACTICE AS WELL AS EXPERT TUTORS AND ACADEMICS IN SMALL GROUP SESSIONS

We vary our embalming techniques to ensure the best possible learning experience for our students, using Thiel-embalming techniques for limbs, which keeps the cadaver as close to living tissue as possible in texture, colour and flexibility, and Formalin for organs.

YOU WILL CONDUCT WHOLE-BODY DISSECTIONS, WORKING ON A MINIMUM OF TWO CADAVERS

MSC IN CLINICAL ANATOMY

The MSc in Clinical Anatomy will enable you to acquire and develop advanced anatomical skills and knowledge. Applying topographical, developmental and radiological perspectives, you will understand how cadaveric material translates to the anatomy of the living person.

At the heart of this programme is how you will apply your anatomical knowledge in a clinical and practical context - whether that be clinical decision-making or practice. Small-group seminars and tutorials are led by practising clinicians and experienced tutors who will draw on their own experiences to bring anatomical knowledge and learning to life.

MSC IN CLINICAL ANATOMY AND EDUCATION

You will acquire and develop the same range of skills as students on the MSc in Clinical Anatomy, but in addition the programme will provide you with a comprehensive professional education to develop you as a teacher and researcher of anatomy.

The education modules on this programme are delivered by our Health Professions Education Unit. You will be trained in pedagogical techniques that will allow you to teach anatomy to students and healthcare professionals and also conduct an education research project.

This programme is a useful and significant step on the path to applying for Associate Fellowship of the Higher Education Academy (HEA).
Dissection as part of each module has really helped me to develop my skills with all of the surgical tools, and has given me a feel for a surgical career in the future.

Danielle Hill, intercalating Medicine student, MSc Clinical Anatomy
 MODULES AND ELECTIVES

The clinical anatomy programmes offer a mix of core modules and electives, giving you the opportunity to develop fundamental anatomical knowledge whilst also enhancing your skills in a specialist area of interest. If you opt to study Clinical Anatomy and Education, you will need to choose at least two education elective modules and a research project on education.

**CORE MODULES**

**Clinical anatomy of the trunk**
You will perform a detailed dissection of the human trunk (thorax, abdomen, pelvis and perineum), and explore their clinical anatomy in the regional, biomechanical, developmental, functional and radiological context.

**Clinical anatomy of the head and neck**
You will perform a detailed dissection of the human head and neck, and explore their clinical anatomy in the regional, biomechanical, developmental, functional and radiological context.

**Clinical anatomy of the limbs and spine**
You will perform a detailed dissection of the human upper limbs, lower limbs and back, and explore their clinical anatomy in the regional, biomechanical, developmental, functional and radiological context.

**Research project/dissertation**
You will undertake in-depth research on an anatomical, clinical-anatomical, or educational topic, and produce a formal dissertation. You will gain experience of conducting independent research, from formulating a research question to presenting findings in written and spoken form.

One of the unique aspects of this course is the chance to interact with expert clinicians during the weekly seminars where the anatomy that you have learnt is firmly placed into its clinical context. Discussing clinical cases and debating complex issues as a group allows you to apply and to problem solve with your newly acquired knowledge, helping you to see the relevance of what you are learning to your future career.

Dr Walter Mercer-Holland,
Foundation Year 1 Junior Doctor

WE PROVIDE UNPARALLELED OPPORTUNITIES FOR DISSECTION IN OUR STATE-OF-THE-ART HTA-LICENSED FACILITIES
ANATOMY ELECTIVE MODULES

Clinical microanatomy
You will critically evaluate the microstructure of tissues and organs in the context of their function, dysfunction and pathology, and develop skills in the evaluation of tissue samples.

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 context. You will develop the skills to apply embryological and neuroanatomical knowledge to decision making in clinical practice.

Radiological anatomy
You will develop skills in the interpretation of normal and variant anatomy in radiological images, and gain technical skills in the acquisition of ultrasound scans. This module will provide the basis of pursuing research in medical sciences based on experimental models involving structural imaging.

you can personalise your route to suit your own interests and career aims

RESEARCH SKILLS ELECTIVE MODULES

Education research
This module will provide you with a robust introduction and overview of key research methods in the area of pedagogic research. It will facilitate the development of a substantive research protocol for the purposes of a dissertation in anatomical/medical education.

Research methods and statistics
You will acquire the knowledge and skills to critically appraise the strengths and weaknesses of different research designs from previously published works, analyse and critically evaluate experimental, quantitative and qualitative research design methods, and develop expertise in statistics-based computer programmes to solve complex research-related problems.

CREATIVELY

ANALYTICAL
I have been able to teach anatomy to peers across both Medicine and Physician Associate courses, which has been challenging but immensely rewarding. This invaluable experience has helped me to develop my skills as a teacher and set me on the path to HEA accreditation, which will hold me in good stead in my future career.

Oluwafemi Coker, intercalating Medicine student from University of Plymouth

EDUCATION ELECTIVE MODULES

Learning and teaching
You will be introduced to the basic principles in learning and teaching within a health profession/clinical environment. You will enhance your skills as an effective clinical teacher, gain a good grounding in educational theory and develop basic teaching skills such as writing outcomes.

Contemporary issues in Health Professions Education
This module will challenge you to reconsider the ideologies and assumptions underpinning current models of curriculum, course and assessment design in Health Professions Education. You will be engaged in critically examining the key discourses and ideologies shaping medical and health professions curricula.

Assessment and feedback
You will learn the key principles and practices underpinning effective assessment and feedback, and use case studies to explore the relationships between assessment, feedback and learning.

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.

YOU HAVE THE UNIQUE OPPORTUNITY TO TEACH ANATOMY TO MEDICINE AND PHYSICIAN ASSOCIATE STUDENTS
## ONE YEAR FULL-TIME INDICATIVE TIMETABLE

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3 (+Summer)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Clinical Anatomy of the Trunk (20)</td>
<td>• Clinical Anatomy of the Limbs &amp; Spine (20)</td>
<td>• Dissertation/Research Project (60)</td>
</tr>
<tr>
<td>Options</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select two modules</td>
<td>Select one module</td>
<td></td>
</tr>
<tr>
<td>• Embryology &amp; Clinical Neuroanatomy (20)</td>
<td>• Radiological Anatomy (20)</td>
<td></td>
</tr>
<tr>
<td>• Clinical Microanatomy (20)</td>
<td>• Anatomy Pedagogy (20)</td>
<td></td>
</tr>
<tr>
<td>• Learning and Teaching (20)</td>
<td>• Assessment and Feedback (20)</td>
<td></td>
</tr>
<tr>
<td>• Educational Research (20)</td>
<td>• Contemporary Issues in HPE (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Research Methods and Statistics (20)</td>
<td></td>
</tr>
</tbody>
</table>

## TWO YEAR PART-TIME INDICATIVE TIMETABLE

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3 (+Summer)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Options</strong></td>
<td>Select one module</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Embryology &amp; Clinical Neuroanatomy (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Clinical Microanatomy (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Learning and Teaching (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Educational Research (20)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td><strong>Core</strong></td>
<td><strong>Dissertation/Research Project (60)</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one module</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Radiological Anatomy (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Anatomy Pedagogy (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Assessment and Feedback (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Contemporary Issues in HPE (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Research Methods and Statistics (20)</td>
<td></td>
</tr>
</tbody>
</table>

## THREE YEAR PART-TIME INDICATIVE TIMETABLE

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3 (+Summer)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Options</strong></td>
<td>Select one module</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Embryology &amp; Clinical Neuroanatomy (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Clinical Microanatomy (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Learning and Teaching (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Educational Research (20)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td><strong>Core</strong></td>
<td><strong>Dissertation/Research Project (60)</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one module</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Radiological Anatomy (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Anatomy Pedagogy (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Assessment and Feedback (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Contemporary Issues in HPE (20)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Research Methods and Statistics (20)</td>
<td></td>
</tr>
</tbody>
</table>

*The programme timelines above are for illustrative purposes only and are subject to change.*
ENTRY REQUIREMENTS

Applicants must have previous training in human or mammalian biology (e.g. graduates from medical, biomedical, anatomical science, veterinary medicine, and zoology backgrounds) with a minimum 2:1 (Hons) degree or equivalent. Applicants whose first language is not English will be required to demonstrate evidence of proficiency in English Language as follows: IELTS: 6.5 (in the academic test, with minimum score of 6.0 in all four language competences: listening, reading, speaking and writing, taken in the last two years).

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

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

HOW TO APPLY

If you would like to apply for a place on the Masters in Clinical Anatomy or the Masters in Clinical Anatomy and Education, you will need to complete an online application form.

To apply for the MSc in Clinical Anatomy, visit: hyms.ac.uk/clinical-anatomy

To apply for MSc in Clinical Anatomy and Education visit: hyms.ac.uk/clinical-anatomy-and-education

FEES AND FUNDING

TUITION FEES FOR 2021/22 ARE AS FOLLOWS:

UK (Home)
- Full-time (1 year): £9,730
- Part-time (2 years): £4,865*
- Part-time (3 years): £3,243*

International and EU
- Full-time (1 year): £23,300
- Part-time (2 years): £11,650*
- Part-time (3 years): £7,767*

*This is the year 1 fee. Fees for future years are subject to confirmation.

Please visit our website (hyms.ac.uk/clinical-anatomy) for comprehensive and up-to-date information on tuition fees as well as financial support available.
FOR FURTHER INFORMATION

Admissions Enquiries:
pgtadmissions@hyms.ac.uk

Find out more and take a look at our programme video:
hyms.ac.uk/clinical-anatomy
hyms.ac.uk/clinical-anatomy-and-education

@HullYorkMed
Hull York Medical School
@HullYorkMed
Hull York Medical School