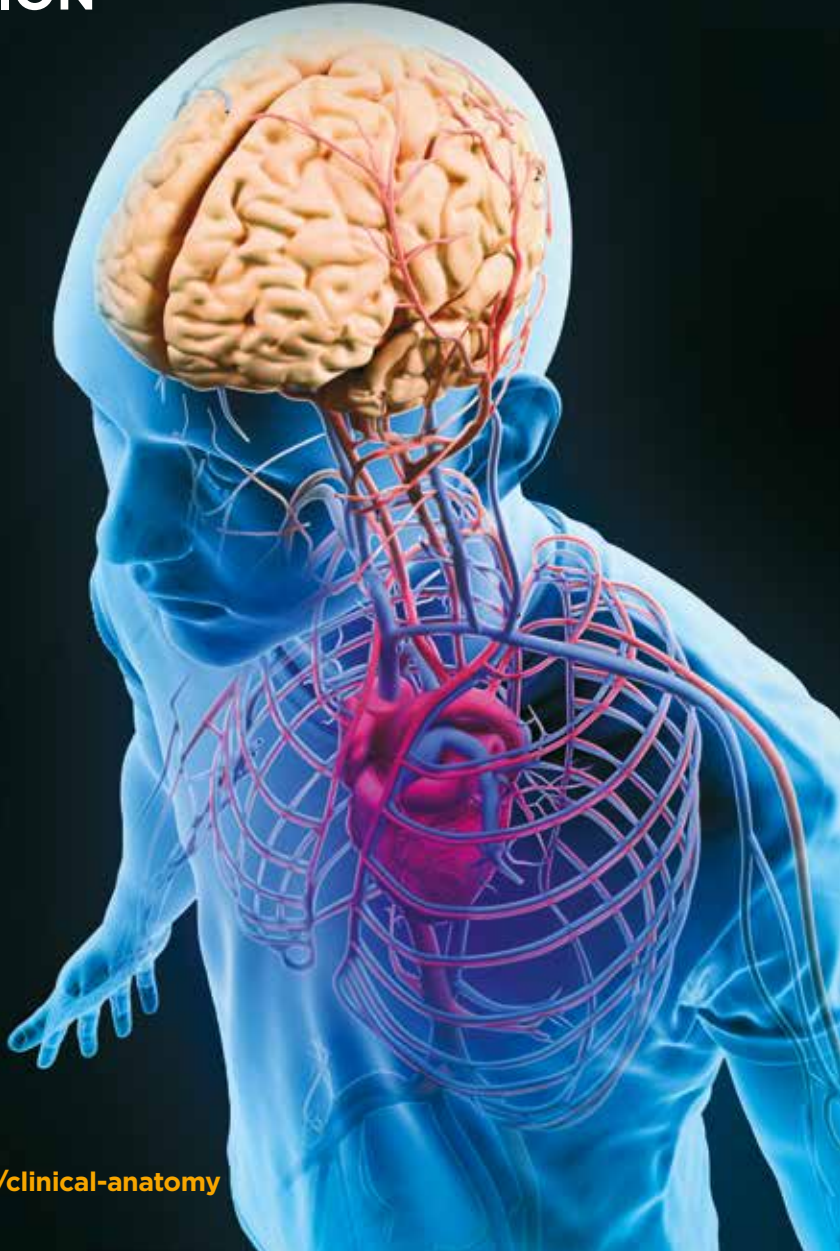


**MSc in CLINICAL  
ANATOMY**

**MSc in CLINICAL  
ANATOMY AND  
EDUCATION**



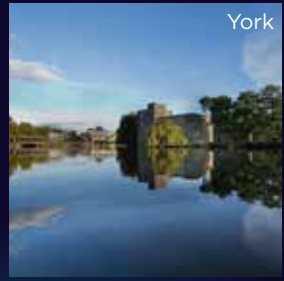
[www.hyms.ac.uk/clinical-anatomy](http://www.hyms.ac.uk/clinical-anatomy)

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# 1.

## Why choose HYMS?

**WE STRIVE FOR EXCELLENCE IN OUR RESEARCH**  
**85%**  
**OF HYMS RESEARCH IS WORLD-LEADING OR INTERNATIONALLY EXCELLENT (REF 2014)**



## A WORLD CLASS MEDICAL SCHOOL

The postgraduate MSc programmes in Clinical Anatomy and Clinical Anatomy and Education are offered by the Hull York Medical School (HYMS). HYMS has become one of the UK's most exciting and modern medical schools; it is based in two well-established universities in the attractive and historic cities of Hull and York.



## STATE OF THE ART FACILITIES

Our HTA-licensed anatomy unit is a state-of-the-art cadaveric education and training unit including facilities for Thiel embalming and plastination.



# 2.

## The HYMS Clinical Anatomy Programmes

The MSc in Clinical Anatomy and the MSc in Clinical Anatomy and Education are designed to provide advanced training in clinically applied human anatomy.

The programmes are built around core dissection-based modules. Students conduct whole body dissections, using Thiel embalmed cadavers. This embalming technique enhances the student experience greatly by ensuring cadaveric material is as close to living tissue as possible, in colour, texture and flexibility. Students can tailor the programme to suit their individual interests and will learn from expert tutors as well as experienced clinicians. These programmes are designed especially for intercalated medical students, anatomy teachers, trainee surgeons, physiotherapists, sports scientists and other health professionals.



“We are proud to offer the unique opportunity for students to immerse themselves in the practical and in depth study of clinical anatomy to enhance their knowledge and skills, further their careers, and improve their employment opportunities. Students will have the ability to tailor the course to meet their individual career or professional pathways. We expect that students will graduate with a robust clinical anatomy qualification having had an excellent learning experience. We look forward to welcoming you to the clinical anatomy Programmes at Hull York Medical School.”

**Dr Peter Bazira**, Programme Director



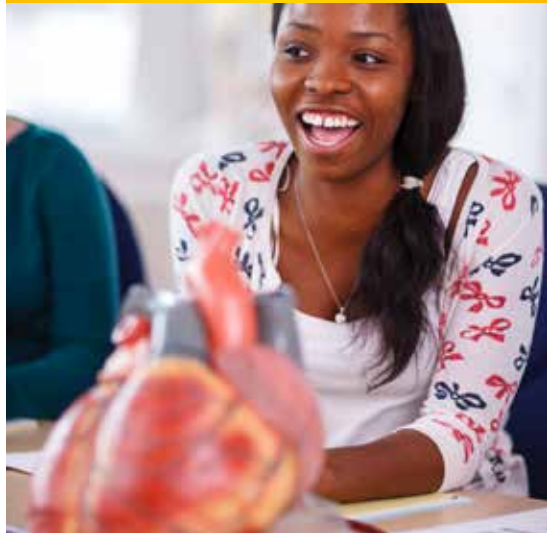
Advance your knowledge of human anatomy by carrying out whole body dissection.

Expand your clinical research skills on more realistic, flexible and life-like cadavers in our new Thiel facility.

Experience a new range of learning opportunities offered in our state-of-the-art plastination facility.

Learn clinical anatomy from leading experts and experienced clinicians.

Choose a programme to suit your lifestyle and career goals.



# 3.

## Programme Overview



## MSc CLINICAL ANATOMY

### ACQUIRE ADVANCED KNOWLEDGE AND SKILLS IN CLINICALLY APPLIED HUMAN ANATOMY

The MSc in Clinical Anatomy will enable you to acquire and develop advanced anatomical skills and knowledge. You will do this by applying topographical, biomechanical, developmental and radiological perspectives to help you understand how the experience of handling cadaveric material translates to the anatomy of the living person. You will learn to critically appraise and reflectively apply advanced anatomical acumen to inform clinical decision making. The programme will develop your knowledge and skills to undertake and deliver high quality research in clinical anatomy and related disciplines.

## MSc CLINICAL ANATOMY AND EDUCATION

### ACQUIRE ADVANCED ANATOMICAL KNOWLEDGE AND DEVELOP YOUR SKILLS AS AN ANATOMY EDUCATOR AND RESEARCHER

You will acquire and develop the same range of skills and knowledge as students studying the MSc in Clinical Anatomy. In addition, the MSc in Clinical Anatomy and Education provides a comprehensive professional education that focuses on developing teachers and researchers of anatomy. You will be trained in pedagogical techniques that will allow you to teach anatomy to students and health care professionals.

## WHERE WILL I STUDY?

You will be based at the University of Hull campus for the majority of your learning and contact time. You may need to travel to the University of York for some elective modules.

## DURATION

<b>Full-time</b>	<b>1 year</b>
<b>Part-time*</b>	<b>2 years</b>
<b>Part-time*</b>	<b>3 years</b>

\*Part-time MSc students will be required to attend some face-to-face study days.

# 4.

## Personalise your Route



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 specialist areas of interest.

### CORE MODULES:

- Clinical Anatomy of the Limbs and Spine
- Clinical Anatomy of the Trunk
- Clinical Anatomy of the Head, Neck and Brain
- Research Project / Dissertation

### RESEARCH ELECTIVES:

- Research Methods & Statistics
- Research Approaches in Health Professions Education

### ANATOMY ELECTIVES:

- Clinical Microanatomy
- Hard Tissue Biology
- Human Evolutionary Anatomy

### EDUCATION ELECTIVES\*:

- Learning and Teaching
- Assessment and Feedback
- Contemporary Issues in Health Professions Education



\*Students completing the MSc in Clinical Anatomy and Education must complete two education electives and a research project on education.

# 5.

## Programme Timelines



### 1 Year Full-time

TERM 1	TERM 2	TERM 3
<b>CORE MODULE</b> Clinical Anatomy of the Limbs and Spine	<b>CORE MODULE</b> Clinical Anatomy of the Trunk	<b>CORE MODULE</b> Clinical Anatomy of the Head, Neck and Brain
<b>ELECTIVES</b> <ul style="list-style-type: none"><li>• Learning and Teaching</li><li>• Hard Tissue Biology</li></ul>	<b>ELECTIVES</b> <ul style="list-style-type: none"><li>• Assessment and Feedback</li><li>• Human Evolutionary Anatomy</li><li>• Clinical Microanatomy</li><li>• Contemporary Issues in Health Professions Education</li></ul>	<b>DISSERTATION</b>
<b>ELECTIVES</b> <ul style="list-style-type: none"><li>• Research Methods and Statistics</li><li>• Research Approaches in Health Professions Education</li></ul>	<b>DISSERTATION</b>	

## 2 Years Part-time

YEAR	TERM 1	TERM 2	TERM 3
Y1	<b>CORE MODULE</b> Clinical Anatomy of the Limbs and Spine	<b>CORE MODULE</b> Clinical Anatomy of the Trunk	<b>CORE MODULE</b> Clinical Anatomy of the Head, Neck and Brain
	<b>ELECTIVES</b> <ul style="list-style-type: none"> <li>• Research Methods and Statistics</li> <li>• Research Approaches in Health Professions Education</li> </ul>		
Y2	<b>ELECTIVES</b> <ul style="list-style-type: none"> <li>• Learning and Teaching</li> <li>• Hard Tissue Biology</li> </ul>	<b>ELECTIVES</b> <ul style="list-style-type: none"> <li>• Assessment and Feedback</li> <li>• Human Evolutionary Anatomy</li> <li>• Clinical Microanatomy</li> <li>• Contemporary Issues in Health Professions Education</li> </ul>	<b>DISSERTATION</b>

## 3 Years Part-time

YEAR	TERM 1	TERM 2	TERM 3
Y1	<b>CORE MODULE</b> Clinical Anatomy of the Limbs and Spine	<b>CORE MODULE</b> Clinical Anatomy of the Trunk	<b>CORE MODULE</b> Clinical Anatomy of the Head, Neck and Brain
	<b>ELECTIVES</b> <ul style="list-style-type: none"> <li>• Research Methods and Statistics</li> <li>• Research Approaches in Health Professions Education</li> </ul>		
Y2	<b>ELECTIVES</b> <ul style="list-style-type: none"> <li>• Learning and Teaching</li> <li>• Hard Tissue Biology</li> </ul>	<b>ELECTIVES</b> <ul style="list-style-type: none"> <li>• Assessment and Feedback</li> <li>• Human Evolutionary Anatomy</li> <li>• Clinical Microanatomy</li> <li>• Contemporary Issues in Health Professions Education</li> </ul>	<b>DISSERTATION</b>
Y3	<b>DISSERTATION</b>		



# 6.

## Learning and Teaching Methods

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A range of teaching and learning activities will be used to deliver this programme, these include:

- Whole body dissection on Thiel-embalmed cadavers
  - Online learning, assessment and support
  - Practical laboratory activities
  - Independent study
  - Small group practical work
  - Seminars and workshops
  - Peer discussion and observation
  - Self-assessment activities with formative feedback
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# 7.

## Overview of Programme Modules and Electives

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### CORE MODULES:

#### **Clinical Anatomy of the Limbs and Spine**

You will perform a detailed dissection of the human limbs and spine, and explore its clinical anatomy in the regional, biomechanical, developmental, functional and radiological context.

#### **Clinical Anatomy of the Trunk**

You will perform a detailed dissection of the human trunk, and explore its clinical anatomy in the regional, biomechanical, developmental, functional and radiological context.

#### **Clinical Anatomy of the Head, Neck and Brain**

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

#### **Research Project / Dissertation**

You will have an opportunity to study a topic of interest in great depth. You will gain experience of conducting independent research, from formulating a research question to presenting findings in written and spoken form.

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## ELECTIVE MODULES:

### **Clinical Microanatomy**

You will have the opportunity for a critical exploration of the micro-structure of the tissues and organs of the body related to function. You will relate alterations in tissue microstructure to functional outcomes, covering the basic pathological processes and applying these to various organ systems. You will develop skills in interpretation and evaluation of normal and pathological samples, and critical knowledge of how tissue biopsies are prepared and analysed. The module will provide the basis for pursuing research in medical sciences based on experimental models involving tissue samples or specialised cells, and will give the mastery of knowledge needed to teach clinical microanatomy or histology courses.

### **Hard Tissue Biology**

You will develop an advanced knowledge and understanding of the structure, function, growth and development of skeletal and dental tissues.

### **Human Evolutionary Anatomy**

You will develop an advanced knowledge and critical understanding of the hominin fossil record, the interpretation of hominin anatomical material and the application of currently employed analytical methods.

### **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 effective clinical teacher with a good grounding in educational theory and will equip them with basic teaching skills such as writing outcomes.

### **Assessment and Feedback**

You will be provided with the framework to analyse and review your experiences in 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.

### **Contemporary Issues in Health Professions Education**

You will be challenged 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.



### **Research Approaches in Health Professions Education**

You will be introduced to key concepts in quantitative and qualitative research in order to form a research question, plan an appropriate methodological approach and method for data collection and analysis, and write a research proposal. The module will give you the foundational knowledge to interrogate published literature and to take a reflexive stance toward your own research.

### **Research Methods & Statistics**

You will engage in the critical appraisal of the strengths and weaknesses of different research designs from previously published works. You will have opportunity to analyse and critically evaluate experimental, quantitative and qualitative research design methods. You will develop expertise in statistics-based computer programmes effectively to solve complex research-related problems.

# 8.

## Entry Requirements & How to Apply

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### 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).

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 5.5 in all four language competences: listening, reading, speaking and writing).

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

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### HOW TO APPLY

To apply for the MSc in Clinical Anatomy, visit:  
[www.hyms.ac.uk/clinical-anatomy](http://www.hyms.ac.uk/clinical-anatomy)

To apply for MSc in Clinical Anatomy and Education visit:  
[www.hyms.ac.uk/clinical-anatomy-and-education](http://www.hyms.ac.uk/clinical-anatomy-and-education)

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# 9.

## Fees & Funding – 2017/18

Course fees may be subject to annual inflationary increases.

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### TUITION FEES FOR HOME & EU STUDENTS

Full-time	<b>£7,350</b>
Part-time (2 years)	<b>£3,675</b>
Part-time (3 years)	<b>£2,450</b>

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### TUITION FEES FOR OVERSEAS STUDENTS

Full-time	<b>£20,300</b>
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### SCHOLARSHIPS

We are pleased to be able to offer a range of scholarships for highly motivated, exceptional students.

More information on fees and scholarships is available on the HYMS website.

[www.hyms.ac.uk/clinical-anatomy](http://www.hyms.ac.uk/clinical-anatomy)

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# For Further Information

## Admissions Enquiries:

pgtadmissions@hyms.ac.uk

Tel: 01904 321690



Hull York Medical School



@HullYorkMed



Hull York Medical School

[www.hyms.ac.uk/clinical-anatomy](http://www.hyms.ac.uk/clinical-anatomy)

