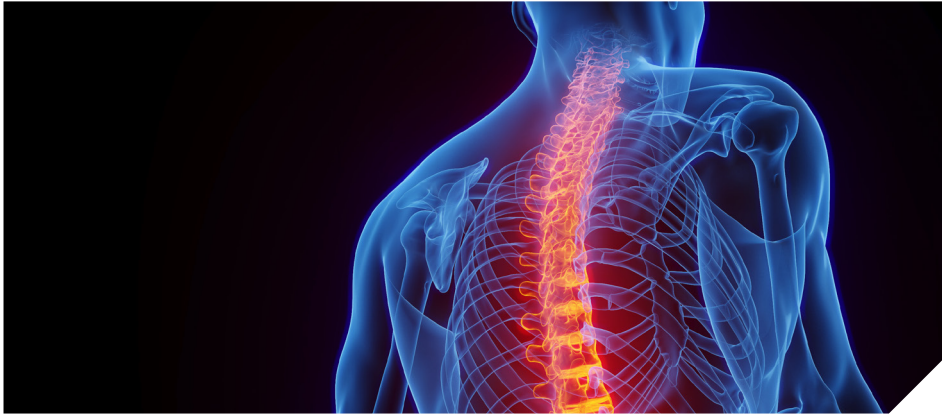


# MSc Advanced Musculoskeletal Practice



## Programme Overview

Developed in collaboration with clinical experts, this program is designed to elevate your expertise in Advanced Musculoskeletal care. Enhance your ability to translate evidence into practice, foster critical thinking, and master advanced clinical reasoning. Adapt to diverse environments and meet the needs of varied populations and communities. Through this program, you will acquire specialized skills to deliver safe, effective, and person-centered care to individuals with complex Musculoskeletal conditions. Join us and become a leader in MSK practice.

Students will develop knowledge and skills in education, leadership and research and work towards application in a clinical and organisational context. They will have the opportunity to complete mentored clinical practice in order to consolidate and apply theoretical knowledge within an out-patient clinic or enhanced or advanced practice environment. This will give students the opportunity to expand their skills in a variety of healthcare settings.

This programme aims to meet the NHS Health Education Advanced Practice (AP) Musculoskeletal curriculum and capabilities framework and provides a route for healthcare professionals to gain recognised AP status (subject to approval) and a route for physiotherapists to gain Musculoskeletal First Contact Practitioner (FCP) status and membership of the Musculoskeletal Association of Chartered Physiotherapists (MACP) (subject to approvals).

## Why choose Liverpool Hope?

Students will be based at the modern, purpose-built School of Health and Sport Sciences with state of the art facilities to enhance learning and research in MSK practice. Our academics are experts in their fields and work closely with local, national and internationally recognised clinical experts in MSK practice to ensure the course delivers content in line with cutting edge research and contemporary MSK practice.

## Key Information

**Award:** MSc Advanced Musculoskeletal Practice

**Entry Criteria:** Please refer to the course listings on the website for the full entry criteria.

Normally a First or Second Class Honours Degree in a relevant healthcare profession such as physiotherapy, occupational therapy, podiatry, medicine, osteopathy.

Be a registered and fully qualified Health Care professional normally with a minimum of three years' clinical experience in musculoskeletal health with an appropriate supervisor in practice.

Students whose first language is not English are normally required to have an IELTS 7 or other equivalent recognised English language qualification. In certain circumstances the University also permits study that students have already carried out at Postgraduate level to be taken into account.

You will be required to undertake an interview as part of the application process.

Please note that due to the nature of accreditations and entry requirements, this particular course is not open to application from students that require a visa to study in the U.K..

### Contact Details:

Student Recruitment,  
[courses@hope.ac.uk](mailto:courses@hope.ac.uk)

*Disclaimer: Course is subject to validation. Information is correct at time of print, however programme details can change.*



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## CONTACT

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E: [courses@hope.ac.uk](mailto:courses@hope.ac.uk)  
[www.hope.ac.uk](http://www.hope.ac.uk)

# Curriculum

The course spans across four modules which run during two days per week.

## **Advancing skills in MSK Practice: 20 credits (compulsory)**

In this module students will develop advanced, evidence based clinical reasoning skills in the assessment and management of complex, undifferentiated and undiagnosed conditions in MSK practice including radiology, blood tests, neurophysiology and clinical examination of multiple systems.

## **Developing advanced assessment and management skills in the upper quadrant: 20 credits (compulsory)**

During this clinically focussed module students will critically explore the evidence base and apply to practice using a problem based learning approach. Students will work with clinical experts to consider the application of learning to different clinical settings such as advanced rehabilitation, first contact practice and advanced practice.

## **Developing advanced assessment and management skills in the lower quadrant: 20 credits (compulsory)**

Students will apply knowledge developed in the Advanced skills in MSK practice module to support complex decision making in uncertain and undifferentiated conditions, managing risk and integrating advanced communication skills and behaviour change interventions into practice. Students will consider their role as a leader within an organisation and apply their theoretical learning to developing their leadership skills to promote the translation of evidence to practice to enhance multi-disciplinary patient care.

## **Mentored clinical practice: 20 credits (compulsory)**

In this module students will undertake 150 hours of mentored clinical practice (75 of which should be face to face with patients and mentor). This bespoke placement will be developed in conjunction with academic and clinical supervisors following a learning needs analysis in order to determine individual students requirements and any requirements for

completion of FCP, MACP and/or AP routes to recognition.

Students will examine the theoretical concepts of educational pedagogies, learning styles and health literacy in order to support students to develop their own learning in practice as well as develop the skills to become a competent clinical mentor and educator.

## **Biomechanical techniques in human health and performance: 20 credits (optional)**

This module focuses on the expert application of biomechanical techniques. Students will learn theoretical principles and practical application of evaluative techniques such as force plates, EMG and motion capture. Students will learn to analyse this information and interpret data to enable them to integrate expertise into a rehabilitation plan including biofeedback and orthotic prescription. There will be focus on gait analysis in clinical and laboratory settings.

## **Population Health and Physical Activity. 20 credits (Optional)**

This module addresses physical activity, population health, nutrition and the social, psychological, environmental, cultural, economic determinants of health and health inequalities. Students will critically evaluate how this influences decision making in the context of person centred and individualised care. Students will explore the principles of behaviour change interventions using behavioural change theory and techniques, such as Motivational Interviewing and Cognitive Behavioural Therapy, going on to apply this understanding and learning how to integrate this into MSK practice in order to improve the physical health of populations.

## **Research Methods, audit and quality improvement: 20 credits (compulsory for PGDip 20 credits and MSc 180 credits)**

This module will support students to develop a Master's level of understanding of research. They will develop expert skills in literature searching to identify evidence within their specialist area and comprehensive critical evaluation skills in qualitative and quantitative research, as well as methods for appropriate statistical analysis of data.

## **Research Project: 60 credits (compulsory for MSc 180 credits)**

Students will be supported to undertake an original research project using state of the art facilities within the School of Health Sciences, or they will have the opportunity to undertake a quality improvement project to influence practice change within their organisation or undertake a systematic review in order to synthesise the evidence base within a specific area to answer a question relating to MSK practice and inform future practice. Students will also be required to secure the appropriate ethical approval from the University for their Dissertation.

*The information provided in this leaflet is intended to give you a brief overview. For comprehensive details and the most up-to-date information, please visit our website.*

## Research-informed Teaching

Teaching is in line with the wider University Learning and Teaching strategy and encourages learning in small groups to foster the development of academic potential and improve the working dynamic between students and members of staff.

All taught classes are held at Liverpool Hope University's main campus, Hope Park in the newly built School of Health and Sport Sciences. The school has modern clinical rooms, including on-site Physiotherapy and Sport Rehabilitation Clinic (PSRC), with state-of-the-art facilities to allow students to develop specialist skills in the assessment and management of Musculoskeletal conditions. There are bespoke strength and conditioning and biomechanics labs as well as sports & exercise science and nutrition facilities.

The campus is situated just four miles from the city centre and offers superb academic and support facilities, including on-campus library, free computer and wi-fi access and access to the on-campus gym and sports centre.



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