

Research Methods and Quality Improvement

Delivery: 8 days face to face | Start date: September 2025



Course Aim

To deliver advanced theoretical and practical knowledge and research and quality improvement understanding within a specialist discipline of Musculoskeletal (MSK) Health, Sport and Exercise Science.

This 20 credit UK Level 7 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. Students will consider where there are gaps in the available evidence in order to identify areas to develop their own research. They will also consider the challenge of translating evidence into practice within MSK services and consider the importance of audit, service and quality improvement in order to bridge this gap and ensure evidence informed practice can lead change within organisations to enhance patient care.

Learning Expectations

- Demonstrate a systematic and advanced understanding of their chosen discipline of MSK Health, Sport & Exercise Science, with an ability to critically assess relevant scientific literature to formulate evidence-based judgements and novel research hypotheses.
- Critically evaluate and contribute to MSK and related quality improvement projects, service evaluation and audit in order to shape and improve patient care in line with standards and evidence based practice.
- Demonstrate a critical understanding of the importance of integrating the determinants of health into research and quality improvement in order to address social, economic and environmental needs of individuals and communities.
- Manage, manipulate and interpret complex data sets using appropriate analytical techniques and disseminate key information in a concise and effective manner through a range of modalities appropriate to a diverse range of MSK Health, Sport and Exercise Science audiences.



LIVERPOOL
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1844

School of Health
and Sport Sciences

Delivery

Delivery will be 1 day per week for 8 weeks at our Hope Park campus and will comprise (per week): lectures, tutorials, practical workshops and elearning.

Assessment

Assessment will comprise a literature review and rationale (50%) and a statistical analysis and results section (50%). Upon successful completion, students will receive 20 credits at Masters Level (UK Level 7).

Dates and Duration

Starts September 2025 with 8 weeks of taught sessions. Final assessment to be submitted in November 2025.

Entry requirements

Standard Entry Requirements:

- Normally a First or Second Class Honours Degree in a relevant healthcare profession such as physiotherapy, occupational therapy, podiatry, medicine, osteopathy, British Association of Sport Rehabilitators and Trainers (BASRaT) approved sports rehabilitation.
- 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.
- Interview may be required.
- Students building towards Musculoskeletal Association of Chartered Physiotherapists (MACP) must be qualified physiotherapists registered with the HCPC.

Additional Entry Requirements for students building towards an MSc Advanced Musculoskeletal Practice:

- Applicants should be at least 3 years qualified as a healthcare professional.

- Applicants should be working in a musculoskeletal setting with a suitable mentor in clinical practice.
- Applicants should hold an active registration with the HCPC (Health and Care Professions Council) and CSP (Chartered Society of Physiotherapy) or equivalent professional registration.

Progression

Successful participants may be able to progress to further 20 credit modules, either taken as stand-alone Professional Learning and Development (PLD), or built towards a Postgraduate Certificate Musculoskeletal Practice (FCP) (60 credits), an MSc Musculoskeletal Practice (180 credits) or an MSc Advanced Musculoskeletal Practice (180 credits). Progression to the MSc Advanced Musculoskeletal Practice is dependent on meeting the Additional Entry Requirements.

A route to membership of the MACP may be available to physiotherapists with HCPC registration. Students wishing to gain MACP membership must be qualified physiotherapists registered with the HCPC.

Cost

Home Students:

£1,056

International Students:

£1,889

How to apply

To apply or for more information please contact:

Tel: 0151 291 3005

Email: healthsciences@hope.ac.uk

www.hope.ac.uk/healthandsportsciences/studywithus/?panel4

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