

Spinal Mechanics

MSc Biomechanics Module

Key facts:

Mode:

Distance Learning supported by Blackboard with 1 contact day at The Science Centre, Stoke-on-Trent

Course Begins:

June

Credits:

15 credits

Entry requirements:

You need to be involved in musculoskeletal practice as an Allied Health professional registered with the Health and Care Professions Council (HCPC), Sports Therapist or Biomechanist who support Allied Health professionals or a Medical professional.

Module Outline:

This module will introduce the growth and ageing of human spine and explore the biomechanical basis for clinical assessment and intervention. This module will facilitate the investigation into the mechanics and related pathologies of the spine. This module will also inform students about basic assessment techniques employed in a clinical setting to measure spine and back movement right up to the use of three-dimensional movement analysis systems in a biomechanical laboratory. An appreciation to the wide variety of techniques and equipment available will allow students to critically apply scientific methodological procedures in clinical working environment.



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