

# Mechanics of the Diabetic Foot

## MSc Biomechanics Module

### Key facts:

#### Mode:

Distance Learning supported by Blackboard with 6 contact days at The Science Centre, Stoke-on-Trent

#### Course Begins:

March, April and May

#### Credits:

30 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:

The effects of biomechanics of the lower limb specifically the foot are often overlooked in the management of the diabetic patient. The connection between locomotion changes and complications are often not made. This module is specifically set to look at these issues as well as investigations of how intervention can alter movement patterns and influence recovery. The module will review diabetic complications associated with the disease process and investigate the impact these have on musculoskeletal problems and dysfunction as well as tissue viability. There will be a focus on defining the causes and management of diabetic ulcerations with a strong emphasis on the biomechanical framework underpinning the prevention and treatment of diabetic foot disease. This will include consideration of footwear assessment, orthoses prescription, padding and strapping, off-loading devices and other mechanical interventions.

