

Motor Control in Rehabilitation

(RHAB807) 15 points

Pathways, programmes/specialisations the paper is attached to

Postgraduate Certificate in Health Science, Postgraduate Diploma in Health Science, Master of Health Practice in the Rehabilitation specialisation area, and Master of Health Science.

Am I eligible to enrol in this paper?

Health professionals, and kinesiology, exercise or sport science graduates are eligible to enrol if they have completed the requirements of one of the following in a relevant field from a New Zealand institution or equivalent:

- A bachelor's degree
- Professional qualification recognised by the university as being equivalent to a bachelor's degree
- Evidence of professional experience deemed by the university to be equivalent to a bachelor's degree

Where entry qualifications do not meet the criteria for study at postgraduate level, completion of transitional studies may be required before the applicant is admitted to the programme.

What is this paper about?

Develops a scientific approach to understanding the nature of human motor control. The paper focuses on the neuroscience of normal human movement and control and uses examples from clinical populations to enhance understanding. It takes into account the complex multisystem nature of human movement and assists students to develop a deep understanding and practice models based upon sound knowledge and evidence.

What can I expect to learn?

- Normal mechanisms of motor control and motor learning
- Disordered motor control and function
- Neural and muscular plasticity
- Motor control and motor learning theories
- Multisystem approach to motor control

How is this paper taught?

Location: On campus at AUT North, AUT University
Teaching Period(s): Semester 2
Block Course: Yes

How will I be assessed?

1. Written assignment (5,000 words)

Who will be teaching me?

Paper Coordinator: Denise Taylor, PhD Otago, GradDipPhys, MSc (Rehab) S'ton

Professor Denise Taylor is a physiotherapist in the School of Clinical Sciences, and leads the Neurological Rehabilitation Research Team within the Health and Rehabilitation Research Institute. Denise graduated as a physiotherapist and after working as a clinician completed an MSc in Rehabilitation from Southampton University (UK). She then went on to complete a PhD in Motor Control from the University of Otago in 2004. Prior to working in New Zealand she was a research physiotherapist in the Derby gait analysis laboratory and a lecturer at Loughborough University and the University of Otago.

Fees

Information about paper tuition fee for papers may be found at:

<http://www.aut.ac.nz/study-at-aut/fees-scholarships-and-finance/fees/postgraduate-fees>

Enrolment and enquires

New to AUT? Please submit an application for a programme on the AUT website - <https://www.aut.ac.nz/study/applying>.

When you are a confirmed student you will be able to indicate your paper selection. Any questions about applying to AUT please contact Debra Spinetto – fhes.enquiries@aut.ac.nz

Current students will receive an re-enrolment email each year – any enquiries please contact fhes.administration@aut.ac.nz

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