

Health Ergonomics

(RHAB811)

Pathways, programmes/specialisations the course is attached to

Postgraduate Certificate in Health Science, Master of Health Science, Postgraduate Diploma in Health Science, Master of Health Practice

Am I eligible to enrol in this course?

The paper is for registered health professionals or those with professional experience in occupational health and safety. Applicants will normally have completed the requirements of one of the following in a relevant field from a New Zealand tertiary institution or equivalent:

- A Bachelor of Health Science.
- A Graduate Diploma in Health Science.
- Relevant professional practice or experience deemed by the university to be equivalent to a bachelor's degree.

What is this course about?

Provides a broad-based introduction to ergonomic principles and their application in the design of work, equipment and the workplace. Explores and examines methodological approaches to ergonomics problem solving.

What can I expect to learn?

The course introduces students to:

- Aims, objectives and benefits of ergonomics
- Definitions and scope of ergonomics and systems of work
- Human characteristics, capabilities and limitations
- Human-centred design – anthropometry, biomechanical and physiological
- Ergonomics risk assessments: musculoskeletal disorders (manual handling and upper limb)
- The prevention and management of work-related musculoskeletal disorders

How is this course taught?

Teaching Period(s): Semester 2

Block Course: Yes

Location: On campus: one, three- and half-day teaching block.

Teaching Style: A variety of methods will be used to deliver the paper content. with seminars, lectures, and tutorials delivered on-site over one 3.5-day study modules. Students will complete selected readings relating to the content of block modules. Online learning tasks will be used to facilitate discussion, knowledge and understanding.

How will I be assessed?

1. Written assignment 5000 words

Who will be teaching me?

Course Coordinator: Mark Boocock, PhD, MSc, BA(Hons), MCIEHF, Eur. Erg

We have a small team of knowledgeable and experienced ergonomics and human factors specialists who bring a wide range of skills to the course. Professor Mark Boocock is Director of the Centre for Ergonomics and Human Factors and Associate Director of the Centre for Occupational Health and Safety Research at AUT. Over the past 30 years, Mark has considerable teaching and applied research experience in the field of ergonomics, biomechanics and occupational health and safety. He has work on a number of national and international standards bodies and health-related organisations, and publishes widely in the field.

Fees

Information about course tuition fees may be found at:

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

Enrolment and enquires

Please contact Debra Spinetto for any enquiries about enrolment. Further information about our postgraduate offerings may be found online.

RTS 22