

Health Ergonomics

(RHAB811)

Pathways, programmes/specialisations the paper 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 paper?

The paper is for registered health professionals who 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'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?

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 solving ergonomic problems.

What can I expect to learn?

- Aims, objectives and benefits of ergonomics
- Definition and scope of ergonomics and systems of work
- Measurement of human characteristics, capabilities and limitations
- Body systems – anatomy, static and dynamic anthropometry and postures
- Risk assessment tools to evaluate physical and psychosocial factors within the work environment
- Work design and task analysis
- Assessment of musculoskeletal disorders arising from manual handling and repetitive work

How is this paper taught?

We will use a variety of teaching and learning techniques in the paper, including small group study, problem based learning, formal presentations, practical case studies, and on-line discussion forums. There will be one block course held over 3.5 days during the semester.

How will I be assessed?

1. Written assignment of 5000 words

Who will be teaching me?

Paper Coordinator: Dr Mark Boocock, PhD, MSc, BA(Hons), MErgS, EurErg

Mark Boocock is a Professor in the Health and Rehabilitation Research Institute (HRRI) and Associate Director of the Centre for Occupational Health and Safety Research at AUT. Over the past 25 years, Mark has gained substantial teaching and applied research experience in the field of ergonomics, biomechanics and occupational health and safety. He has work for a number of national and international standards bodies and health-related organisations, and published widely in the field of ergonomics.

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

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