

## 2019 Human Factors / Ergonomics Tertiary Qualifications, Programmes and Courses in New Zealand (on offer for 2020)

<b>University/ Tertiary provider</b>	<b>Auckland University of Technology</b>
<b>School/ Faculty/College</b>	<b>Clinical Sciences</b>
<b>Qualifications/Programmes</b>	AK3483 Postgraduate Certificate in Health Science AK3487 Postgraduate Diploma in Health Science AK3485 Master of Health Science AK3733 Master of Health Practice
<b>RHAB811, Level 8</b>	<b>Health Ergonomics</b>
<b>Delivery mode / Semester</b>	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
<b>Credit Value</b>	15
<b>Total Course Hours</b>	153 hr: 28 hrs classroom; 125 self-directed learning
<b>HFE Content Hours</b>	153 hr
<b>Co-ordinator/Tutor</b>	Professor Mark Boocock Dr Fiona Trevelyan Liz Ashby
<b>Cost</b>	\$1,200.00 approx
<b>Frequency of offering</b>	Annual
<b>Students last 5 years</b>	76
<b>Prescription</b>	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.
<b>Learning outcomes</b>	<ol style="list-style-type: none"> <li>1. Apply ergonomic principles in work design.</li> <li>2. Critically evaluate appropriate analytical methods for the assessment of ergonomic risk factors in the workplace.</li> <li>3. Justify the application of suitable ergonomic methods within an occupational health context.</li> <li>4. Critique findings from comprehensive ergonomic health assessment.</li> <li>5. Present work at the appropriate academic standard.</li> </ol>
<b>HFE Content/Topics</b>	<ul style="list-style-type: none"> <li>• Aims, objectives and benefits of ergonomics</li> <li>• Definition and scope of ergonomics and systems of work</li> <li>• Measurement of human characteristics, capabilities and limitations</li> <li>• Body systems – anatomy, static and dynamic anthropometry and postures</li> <li>• Musculoskeletal disorders arising from manual handling and repetitive work.</li> <li>• Risk assessment tools to evaluate physical and psychosocial factors within the work environment</li> <li>• Work design and task analysis.</li> </ul>
<b>Other information</b>	

<b>RHAB801, Level 8</b>	<b>Occupational Ergonomics: Concepts of Moving and Handling</b>
Delivery mode /Semester	Seminars, lectures and tutorials delivered on-site over two 3-day study modules. Students complete selected readings relating to the content of block modules. Online learning tasks to facilitate discussion, knowledge and understanding.
Credit Value	30
Total Course Hours	300 hr: 42 hrs classroom; 228 self-directed learning; 30 hr Online learning tasks
HFE Content Hours	300 hr
Co-ordinator/Tutor	Professor Mark Boocock Dr Fiona Trevelyan Liz Ashby
Cost	\$2,250.00 approx
Frequency of offering	Annual
Students last 5 years	14
Prescription	Promotes critical synthesis and the application of current evidence and theory to healthcare and industrial settings and utilises a systematic approach to evaluate and reduce workplace risk associated with moving and handling.
Learning outcomes	<ol style="list-style-type: none"> <li>1. Analyse core principles of moving and handling in health care and industrial settings.</li> <li>2. Critically evaluate moving and handling practice and service delivery in the context of current evidence and government policy.</li> <li>3. Assess and critique moving and handling tasks from anatomical, physiological and biomechanical perspectives.</li> <li>4. Critically analyse the context and justify the application of ergonomics solutions to load handling in healthcare and industrial settings.</li> <li>5. Present work at the appropriate academic standard.</li> </ol>
HFE Content/Topics	<ul style="list-style-type: none"> <li>• Legal context of moving and handling</li> <li>• Assessment of risk associated with moving and handling</li> <li>• Design of the physical environment</li> <li>• Evaluation and management of complex moving and handling scenarios</li> <li>• Interventions to reduce risk associated with moving and handling</li> </ul>
Other information	

<b>RHAB802, Level 8</b>	<b>Vocational Management and Rehabilitation</b>
Delivery mode / Semester	The seminars, lectures, and tutorials are delivered on-site over two three-day study modules. Students complete selected readings relating to the content of block modules. Online learning tasks are used to facilitate discussion, knowledge and understanding.
Credit Value	30
Total Course Hours	300 hr: 42 hrs classroom; 228 self-directed learning; 30 hr Online learning tasks
HFE Content Hours	300 hr
Co-ordinator/Tutor	Dr Joanna Fadyl Dr Fiona Trevelyan Professor Mark Boocock Professor Nicola Kayes
Cost	\$2,250.00 approx
Frequency of offering	Annual
Students last 5 years	40
Prescription	Fosters critical synthesis and application of current evidence and theory to practice in vocational management and rehabilitation. Examines the relationship between work and health at individual and societal levels.
Learning outcomes	<ol style="list-style-type: none"> <li>1. Analyse core principles of vocational management and rehabilitation.</li> <li>2. Appraise the evidence for vocational management and rehabilitation concepts and approaches to practice.</li> <li>3. Critically evaluate practice and service delivery in the context of current evidence and government policy.</li> <li>4. Synthesise and apply current relevant evidence and theory to practice in vocational management and rehabilitation.</li> <li>5. Present work at the appropriate academic standard.</li> </ol>
HFE Content/Topics	<ul style="list-style-type: none"> <li>• Work and Health</li> <li>• Principles and practice of ergonomic analysis</li> <li>• Core concepts in Vocational management and rehabilitation</li> <li>• Prevention of Work disability</li> <li>• Assessment of Work disability / ability / instability</li> <li>• Interventions to promote sustainable return to work</li> </ul>
Other information	