

Course Title: **Hand and Upper Limb Therapy**

Course Code: **RHAB806**

Descriptor Start Date: **01/03/2021**

POINTS: **45.00**

LEVEL: **8**

PREREQUISITE/S:

COREQUISITE/S:

RESTRICTION/S:

LEARNING HOURS

Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

Total learning hours: 450

PRESCRIPTOR

Encompasses advanced study in the practical and applied assessment of hand and upper limb dysfunction and the understanding and integration of the scientific and clinical research foundation of current medical, surgical and therapeutic management strategies for such dysfunction. Specialised clinical competency is gained in advanced hand and upper limb assessment and management strategies, including the use and application of splints, with the ultimate goal of optimizing client function.

LEARNING OUTCOMES

1. Demonstrate advanced knowledge of anatomy, pathophysiology and biomechanics of the neuro- musculoskeletal system of the hand and upper limb.
2. Critically evaluate and synthesise evidence from the literature for hand and upper limb assessment, intervention and management.
3. Critically apply current concepts of splinting to hand and upper limb clinical practice.
4. Demonstrate advanced level of clinical skill in safe assessment, diagnoses and management of hand and upper limb conditions.
5. Present work at the appropriate academic standard.

Disclaimer: Course descriptors may be amended between teaching periods/semesters

CONTENT

- Biomechanics, pathomechanics, and pathophysiology relating to all hand and upper limb disorders
- Advanced knowledge of functional anatomy
- Clinical assessment strategies and evaluation of their effectiveness.
- Hand and upper limb concepts of treatment relating to hand and upper limb conditions
- Efficacy of re-education of movement, sensibility and function of the hand through activity and exercise
- Traumatic hand and upper limb presentations, including fractures, joint injuries, tendons, nerves, skin, multiple injuries
- Pathologic hand and upper limb conditions. arthritis/osis, tendonopathies, nerve compressions, dupuytren's, pain syndromes, congenital conditions
- Principles and application of controlled stress to healing tissue. Efficacy of the use of static, serial static and dynamic splinting in hand dysfunction
- Addressing functional deficits and re-integration into work and other life roles
- Psychosocial considerations of hand and upper limb dysfunction and therapeutic management

LEARNING & TEACHING STRATEGIES

Academic and clinical experts will deliver the teaching process in block modules. Students will demonstrate analysis, evaluation and competence in hand and upper limb therapy through lectures, labs, seminars, presentations and on-line discussions, grounded in the available literature. Students are expected to contribute from their own experiences and knowledge to the group learning process in the online and class contexts.

ASSESSMENT PLAN

Assessment Event	Learning Outcomes
Presentation (15 minutes)	LO1, LO3, LO5
Written assessment (3500 words)	LO2, LO5
Practical Assessment	LO1, LO4, LO5

Grade Map	MAP1A
	A+ A A- Pass with Distinction
	B+ B B- Pass with Merit
	C+ C C- Pass
	D Fail

Overall requirement/s to pass the course:

Students must achieve all learning outcomes in order to pass this course.

LEARNING RESOURCES

Fazio, L. (2017). *Developing occupation-centered programs with the community*. (3rd). Slack Incorporated

For further information, contact: Te Ara Hauora A Putaiao - Faculty of Health & Environmental Science

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Principal Programme: AK3733, Master of Health Practice

**Related Programme/s: AK3484 Postgraduate Certificate in Health Science
AK3485 Master of Health Science
AK3487 Postgraduate Diploma in Health Science
AK3733 Master of Health Practice**

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