PHTY40003 Musculoskeletal Clinical Science 2

Credit Points:	12.50
Level:	4 (Undergraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Year Long, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Equivalent of 60 hours throughout fourth year, 24 hours lectures and practical classes and self-directed learning, four weeks (28 hours per week) clinical placement Total Time Commitment: Students will need to allow time for self-directed learning. The following hours are given as minimum requirements: 1 hour pre/post reading for lectures, 2 hours per hour of tutorial sessions and 2 hours extra per week for practical classes. Fourth year students will need to spend approximately 2 hours per day in study and at least 2 extra hours per week practising clinical skills.
Prerequisites:	This subject is not available as a single subject. Students must be currently enrolled in the Bachelor of Physiotherapy to undertake this subject.
Corequisites:	None
Recommended Background Knowledge:	Years 1, 2 and 3 of the Bachelor of Physiotherapy.
Non Allowed Subjects:	None
Core Participation Requirements:	None
Coordinator:	Mr David Kelly
Contact:	Mr David Hugh Kelly
Subject Overview:	Students will build on their previous musculoskeletal knowledge to include more complex and chronic pathologies as well as vertebral disorders. Students should have the opportunity to perform independent assessments and demonstrate the ability to make differential diagnosis decisions; know the indications and contra-indications for, and demonstrate the safe use of, high velocity thrust treatment techniques; independently select and execute appropriate treatment techniques; be able to evaluate treatment effectiveness and to modify treatment as necessary. Students will be expected to organise and manage an appropriate workload, formulate and implement appropriate long- and short-term goals including discharge planning. Students will also be given the opportunity to understand the role of a physiotherapist in multidisciplinary clinical settings and apply the above principles to patients in a primary contact environment.
Objectives:	Students will be given the opportunity to develop knowledge, skills and clinical application to: # Perform independent assessments and demonstrate the ability to make clinical diagnosis decisions; # Know the indications and contra-indications for, and demonstrate the safe use of, high velocity thrust treatment techniques; # Undertake physiotherapy treatment planning and independent clinical decision making; # Select, execute, evaluate and justify effective treatment and modify as necessary; # Keep accurate treatment records; # Formulate and implement appropriate short and long-term goals including discharge planning.
Assessment:	Clinical: continuous clinical assessment (50%). Theory: case presentation (10%), and a 2-hour written examination at the end of the year (40%). Skills mastery in musculoskeletal physiotherapy (hurdle).Students must pass both clinical and theoretical components of the assessment in order to pass the subject.

Prescribed Texts:	None
Recommended Texts:	Recommended Texts: # **Orthopaedic Clinical Examination: An Eviden-Based Approach for Physical Therapists** (Cleland J), Saunders Elsevier, Philadelphia, 2007 # **Grieve's Modern Manual Therapy: The Vertebral Column** (JD Boyling, GA Jull, eds), 3rd edn, Elsevier Churchill Livingston, Edinburgh, 2004 # **Clinical Sports Medicine** (P Brukner, K Khan), 3rd edn, McGraw-Hill, North Ryde, New South Wales, 2007 # **Differential Diagnosis for Physical Therapists: Screening for Referral** (CC Goodman, TEK Snyder), 4th edn, Elsevier, St Louis Missouri, 2007 # **Maitland's Vertebral Manipulation** (GD Maitland, E Hengeveld, K Banks, and K English, eds), 7th edn, Elsevier Butterworth Heinemann, Edinburgh, 2005 # **Maitland's Peripheral Manipulation** (E Hengeveld, K Barks, eds), 4th edn, Elsevier Butterworth Heinemann, Edinburgh, 2005 # **Physical Therapies in Sport and Exercise** (GS Kolt, L Snyder-Mackler, eds), 2nd edn, Churchill-Livingstone, Edinburgh, 2007 # **Neuromusculoskeletal Examination and Assessment: A handbook for therapists** (NJ Petty), 3rd edn, Elsevier Churchill Livingstone, Edinburgh, 2006 # **Clinical Neurodynamics: A new system of musculoskeletal treatment** (M Shacklock), Elsevier Butterworth Heinemann, Edinburgh, 2005 # **Pain: A Textbook for Therapists** (Strong J, Unruh AM, Wright A, David Baxter G), Churchill Livingstone, London, 2002
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	At the completion of this subject, it is expected that students will have the following generic skills: # the ability to communicate effectively (both verbally and written) with patients, families and other health professionals # the leadership skills to confidently contribute to the health care team with respect to physiotherapy management of musculoskeletal conditions # the capacity to approach unfamiliar problems and more complex concepts in an analytical manner # time management skills to enable efficient and effective management of a patient workload