

AQF LEVEL	AQF LEVEL 9 CRITERIA – MASTERS DEGREE (COURSEWORK)		PROGRAM LEARNING OUTCOMES
PURPOSE	The Masters Degree (Coursework) qualifies individuals who apply an advanced body of knowledge in a range of contexts for professional practice or scholarship and as a pathway for further learning.		
KNOWLEDGE	Graduates of a Masters Degree (Coursework) will have: <ul style="list-style-type: none"> ▪ a body of knowledge that includes the understanding of recent developments in a discipline and/or area of professional practice ▪ knowledge of research principles and methods applicable to a field of work and or learning 	The Master of Musculoskeletal and Sports Physiotherapy is designed to teach and assess the established and developing body of knowledge required for titled membership of both the Musculoskeletal and Sports special interest groups of the Australian Physiotherapy Association, covering all of the knowledge, skills and attributes domains outlined in both the International Federation of Orthopaedic Manipulative Physical Therapists (IFOMPT) and the International Federation of Sports Physical Therapy (IFSPT). <p>Graduates of the Master Musculoskeletal and Sports Physiotherapy will have advanced knowledge of:</p> <ul style="list-style-type: none"> ▪ The sciences that underpin the assessment and management of clients ▪ Theories and research that underpin their application to individuals, and rehabilitation practice ▪ Different research methodologies to address questions relevant to the health service and physiotherapy ▪ Specific diagnostic and evaluative qualities of assessment tools ▪ How different research practices will advance the body of knowledge in physiotherapy. 	
SKILLS	Graduates of a Masters Degree (Coursework) will have: <ul style="list-style-type: none"> ▪ cognitive skills to demonstrate mastery of theoretical knowledge and to reflect critically on theory and professional practice or scholarship ▪ cognitive, technical and creative skills to investigate, analyse and synthesise complex information, problems, concepts and theories and to apply 	Graduate of the Master of Musculoskeletal and Sports Physiotherapy will have the cognitive, communication, technical and creative skills to: <ul style="list-style-type: none"> ▪ critically analyse, evaluate and synthesise: <ul style="list-style-type: none"> ○ the sciences that underpin the assessment and management of clients ○ theories and research that underpin the application of clinical sciences to individualise rehabilitation practice ○ published research relating to principles of injury prevention, assessment techniques to evaluate an athlete’s risk of injury, and intervention strategies used to minimise risk of injury ○ research principles and methodologies to address questions relevant to the health 	

<p>established theories to different bodies of knowledge or practice</p> <ul style="list-style-type: none"> ▪ cognitive, technical and creative skills to generate and evaluate complex ideas and concepts at an abstract level ▪ communication and technical research skills to justify and interpret theoretical propositions, methodologies, conclusions and professional decisions to specialist and non-specialist audiences ▪ technical and communication skills to design, evaluate, implement, analyse and theorise about developments that contribute to professional practice or scholarship 	<p>service and physiotherapy</p> <ul style="list-style-type: none"> ▪ generate research questions based on critical evaluation of the current literature relevant to musculoskeletal and sports physiotherapy and relating to neuromuscular dysfunction and investigate and evaluate research problems ▪ contribute to the development of further evidence and future theoretical and clinical developments in the area of physiotherapy practice ▪ demonstrate critical and advanced clinical reasoning skills enabling effective assessment and management of patients with neuromuscular dysfunctions ▪ effectively assess and manage patients with neuromuscular dysfunctions ▪ identify opportunities for communicating, and to communicate effectively, at conferences, special interest groups, and or research networks ▪ communicate effectively and respectfully with clients, significant others and colleagues within the interprofessional health team through the entire treatment and rehabilitation process ▪ critically evaluate the application of physiotherapy specific skills, and theories in the assessment and management of the client ▪ identify legal issues, national and international professional standards relevant to sports physiotherapy and service delivery, including risk assessment procedures and health and safety regulations.
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**APPLICATION OF
 KNOWLEDGE &
 SKILLS**

Graduates of a Masters Degree (Coursework) will demonstrate the application of knowledge & skills:

- with creativity and initiative to new situations in professional practice and/or for further learning
- with high level personal autonomy and accountability
- to plan and execute a substantial research-based project, capstone experience and/or piece of scholarship

Graduate of the Master of Musculoskeletal and Sports Physiotherapy will have the cognitive, communication and technical skills for the profession to:

- demonstrate an objective and analytical attitude in the application of knowledge of the clinical sciences in an innovative way that produces a patient specific intervention and management plan
- integrate and apply evidenced based approaches in the presentation of health promotion and preventative care programmes
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- demonstrate and promote the appropriate application of new knowledge and innovations in multidisciplinary practice and decision-making processes, and influence the directions of further research and innovation
- demonstrate a comprehensive knowledge base of the biomedical sciences to develop innovative interventions / management strategies
- demonstrate adaptability of comprehensive knowledge of biomedical sciences in the context of patient-centred practice
- identify, analyse and respond appropriately to a variety of 'ethical dilemmas' and challenges during the effective management of the patient
- demonstrate an advanced level of practical skills with sensitivity and specificity of handling, enabling effective assessment and management of patients with NMS dysfunctions
- plan and execute a substantial research-based project and/or a piece of scholarship
- design appropriate therapeutic interventions to meet the individual and specific needs of clients within legislative, policy and funding constraints
- demonstrate adaptability of comprehensive knowledge of biomedical sciences in the context of patient-centred practice
- simultaneously monitor multiple dimensions of data during patient contact while developing a patient-centred inter-professional multifaceted ethical intervention
- Demonstrate the importance of lifelong learning and staying up to date with new innovations

- and evidence for their effectiveness, through accessing, critiquing and synthesising information from different sources
- generate and answer a research question based on a critical evaluation of the current literature, clinical experience and critical reflection
- contribute to the physiotherapy profession through undertaking and disseminating research
- demonstrate professional, ethical and autonomous practice.