

Module Title:	Neuromuscular Skeletal Assessment 2
Language of Instruction:	English
Credits:	10
NFQ Level:	6
Module Delivered In	2 programme(s)
Teaching & Learning Strategies:	<p>This will be delivered as 2 hours theory and 4 hours practical per week. Students may access the material via Blackboard in advance of the theory and practical classes to encourage active learning. Lectures will cover the module content as outlined above in theory via powerpoint lectures with an emphasis on clinical and functional anatomy. Students will be required to examine and discuss case histories in an interactive manner which will assist the student to develop lateral thinking and broaden their clinical reasoning process. This style of learning will be carried out through group discussion and problem-solving. The practical component will</p> <ul style="list-style-type: none"> • allow students to develop practical competencies, attitudes, and behaviours appropriate for managing a patient case. • develop a problem-solving approach and be competent in selecting appropriate examination techniques for presenting patient cases • develop a methodological approach for progression of assessment • Promote learning via investigation of case presentations and clinical problems. Case studies, journals, and recommended texts will be incorporated and posted on blackboard as well as powerpoint presentations and practical cases on DVD and recommended web links.
Module Aim:	<p>To develop the students understanding and interpretation of the clinical assessment for neuromusculoskeletal impairments. Develop their clinical reasoning process of the neuromusculoskeletal system with emphasis on the lower quarter incorporating the Lumbar spine, Sacroiliac, Hip, Knee, Ankle, and Foot joints, and associated soft tissues.</p>
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Understand the components and clinical relevance of the subjective and objective examination of the lower extremity. Progressively demonstrate the rationale, within a client assessment, to plan and formulate a working hypothesis.
LO2	Understand the reasoning and process that underpins red flag identification in the assessment of neuromusculoskeletal presentations, using validated frameworks as they relate to the lower quadrant
LO3	Clinically observe and analyse human movement and be able to recognise and analyse abnormal movement patterns with reference to the lower quarter. Develop the recognition and clinical significance and association of anatomy and pathology of injury within and throughout this module.
LO4	Assess strength and range of movement of the lower quarters actively, passively and at joint level using accessory motion analysis. Recognise and clinically appraise the components required within this assessment and be able to interpret findings accordingly.
LO5	Understand the components of the postural foot examination with reference to assessment and identification of rearfoot pronation and supination, midfoot, and forefoot biomechanical assessment and the impact and consequences on the lower kinetic chain.
LO6	Comprehensively perform an assessment of the peripheral nervous system as it relates to the lower quarter and be able to clinically interpret its findings in relation to the presenting scenario.
Pre-requisite learning	
Module Recommendations	
<i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
Successful completion of year 1 or equivalent	

Module Content & Assessment

Indicative Content

NMSA II

This module will focus on the clinical assessment and the interpretation of the Lumbar Spine, sacroiliac joint, hip, knee, ankle, and foot

Practical

Assessment, interpretation and clinical reasoning skills will be exercised with reference to the articular, muscular, fascial and neural systems in the above areas.

Assessment Breakdown	%
Continuous Assessment	30.00%
Practical	70.00%

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Other	Continuous Assessments will be provided on an ongoing basis throughout the whole year. These could take the form of case study interpretations, short answers and questions and/or group presentations. Each CA will be weighted according to its content.	1,2,3,4,5,6	30.00	n/a

No Project

Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	The first to be at midterm worth 20% and the second at the end of the semester worth 50%	1,2,3,4,5,6	70.00	Sem 1 End

No End of Module Formal Examination

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Practicals	12 Weeks per Stage	4.00
Lecture	12 Weeks per Stage	2.00
Estimated Learner Hours	15 Weeks per Stage	11.87
Total Hours		250.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_SASRA_B	Bachelor of Science (Honours) in Sports Rehabilitation and Athletic Therapy	4	Mandatory
CW_SAPHS_C	Higher Certificate in Science in Physiology and Health Science	4	Mandatory