

Module Title:	Neuromuscular Skeletal Assessment
Language of Instruction:	English
Credits:	10
NFQ Level:	6
Module Delivered In	No Programmes
Teaching & Learning Strategies:	This will be delivered as 2 hours theory and 3 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 • allow students to develop the required 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 deep learning via investigation of a problem and planning assessment strategies. Case studies, journals and recommended texts will be incorporated and posted on blackboard as well as power point presentations and practical cases on DVD and recommended web links.
Module Aim:	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 upper and lower quarters incorporating the Cervical and Thoracic spines, Shoulder, Elbow, Wrist and Hand joints, Lumbar spine, Sacroiliac, Hip, Knee, Ankle and Foot joints and associated soft tissues.
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 examination. Progressively demonstrate the rationale, within a client assessment, to plan and formulate a subjective hypothesis that guides the implementation of an appropriate objective examination of the upper and lower quarter.
LO2	Understand the components and clinical relevance of the objective examination. Progressively demonstrate the rationale, within a client assessment, to plan and implement an appropriate objective examination of the upper and lower quarter and interpret its findings that will lead to a clinical hypothesis.
LO3	Clinically observe and analyse human movement and be able to recognise and analyse abnormal movement patterns with reference to the upper and lower quarter. Develop the recognition and clinical significance and association of anatomy and pathology of injury within and throughout this module.
LO4	Assess range of movement of the upper and 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	Manually assess muscle strength of the upper and lower quarter. Recognise the clinical rationale underpinning strength deficits and the clinical reasoning process that assists in its interpretation.
LO6	Comprehensively perform an assessment of the peripheral nervous system and be able to clinically interpret its findings in relation to the presenting scenario.
LO7	Interpret clinical assessment findings in relation to the foundations that underpin the neuromusculoskeletal assessment. Demonstrate the ability to progress from subjective hypothesis formulation to objective examination to accept or reject a working clinical hypothesis.
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

Theory

This module will focus on the clinical assessment of the Cervical/Thoracic/Lumbar Spine, sacroiliac joint, shoulder, elbow, wrist, hand, 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.	1,2,3,4,5,6,7	30.00	n/a

No Project

Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	2 practicals worth 35% each will constitute the 70% Practical mark. Part 1 will be executed at the end of semester 1 and Part 2 will be done at the end of semester 2.	1,2,3,4,5,6,7	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	30 Weeks per Stage	3.00
Lecture	30 Weeks per Stage	2.00
Estimated Learner Hours	30 Weeks per Stage	1.50
Total Hours		195.00

