

<b>Module Title:</b>	Neuromuscular Skeletal Assessment I
<b>Language of Instruction:</b>	English
<b>Credits:</b>	10
<b>NFQ Level:</b>	6
<b>Module Delivered In</b>	<a href="#">2 programme(s)</a>
<b>Teaching &amp; Learning Strategies:</b>	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 • 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.
<b>Module Aim:</b>	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 quarter incorporating the Cervical and Thoracic spines, Shoulder, Elbow, Wrist and Hand joints, and associated soft tissues.
<b>Learning Outcomes</b>	
<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 quarter.
LO2	Understand the reasoning and process that underpins red flag identification in the assessment of neuromusculoskeletal presentations, using validated frameworks, with specific emphasis on the upper quadrant
LO3	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 quarter and interpret its findings that will lead to a clinical hypothesis.
LO4	Clinically observe and analyse human movement and be able to recognise and analyse abnormal movement patterns with reference to the upper quarter. Develop the recognition and clinical significance and association of anatomy and pathology of injury within and throughout this module.
LO5	Manually assess upper quarter strength and range of movement of the upper quarter 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.
LO6	Comprehensively perform an assessment of the peripheral nervous system, as it relates to the upper quadrant, and be able to clinically interpret its findings in relation to the presenting scenario.
<b>Pre-requisite learning</b>	
<b>Module Recommendations</b> <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
<b>Incompatible Modules</b> <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Requirements</b> <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 I

This module will focus on the clinical assessment and interpretation of the Cervical and Thoracic spine, shoulder, elbow, wrist, and hand articulations and associated soft tissues and innervation.

#### 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 practical 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**

<b>Workload: Full Time</b>		
<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	<a href="#">Bachelor of Science (Honours) in Sports Rehabilitation and Athletic Therapy</a>	3	Mandatory
CW_SAPHS_C	<a href="#">Higher Certificate in Science in Physiology and Health Science</a>	3	Mandatory