

Prifysgol Wreccsam Wrexham University

Module specification

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Module Code	SIR414
Module Title	Neuromusculoskeletal assessment
Level	4
Credit value	20
Faculty	SLS
HECoS Code	100475
Cost Code	GACM

Programmes in which module to be offered

BSc (Hons) Sports Injury Rehabilitation	Core
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Pre-requisites

n/a

Breakdown of module hours

Learning and teaching hours	12 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	24 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	36 hrs
Placement / work based learning	0 hrs
Guided independent study	164 hrs
Module duration (total hours)	200 hrs

For office use only	
Initial approval date	25/6/24
With effect from date	01/09/24
Date and details of revision	
Version number	1

Module aims

1. Introduce the student to the subjective assessment.
2. Develop an understanding of appropriate objective tests in relation to patient presentation.
3. To enable students to understand the key elements of identifying and managing neuromusculoskeletal injuries in sports and health care.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Demonstrate a safe, effective, and thorough clinical patient subjective assessment.
2	Demonstrate a safe, effective, and thorough clinical patient objective assessment.
3	Describe the physiological processes in response to peripheral neuromusculoskeletal injury.
4	Justify the techniques used during a subjective and objective assessment.

Assessment

Indicative Assessment Tasks:

Assessment 1: Practical – 20 minute - subjective and objective assessment in relation to a peripheral joint.

Assessment 2: Oral – 10 minute – a discussion of injury and pathophysiological processes in response to a peripheral neuromusculoskeletal injury and justification of assessment techniques.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1, 2	Practical	70
2	3, 4	Oral	30



Derogations

Students must pass all elements at 40% or above. Clinical Practice Examinations are set to establish student safety in their clinical skills and safeguard the public. Therefore, all clinical practice examinations will be conducted with 'public safety' as the priority; students demonstrating unsafe practice or breaching confidentiality will be stopped immediately. The examiner will stop the student and inform them the clinical examination will not continue and the student will be marked as 'not pass' or referral, following the University Academic Regulations.

Learning and Teaching Strategies

The module will be delivered using blended learning techniques and the universities Active Learning Framework (ALF). This will include lectures, seminars, peer-led discussions, tutorials, asynchronous tasks and online based quizzes/tasks. Regular feedback will be provided to support the student journey.

Students will be engaged in practical activities on a regular basis, where they will have the opportunity to work with their peers to establish safe and effective assessment and treatment techniques. Students will be expected to act within professional boundaries. Formative feedback will be provided throughout the module to support students development.

Indicative Syllabus Outline

Subjective assessment

Red flags

Peripheral joint objective assessment

Neurological and circulatory assessment

Movement analysis

Outcome measures (e.g. goniometer, tape measure, handheld dynamometer, questionnaires)

Common peripheral joint neuromusculoskeletal injuries

Risk factors for injury

Biopsychosocial interactions

Personal factors

International Classification of Functioning, Disability and Health

Indicative Bibliography:

Essential Reads

Norris, C. M. (2018), *Sports and soft tissue injuries: a guide for students and therapists*. 5th ed. London: Routledge.



Other indicative reading

Comfort, P. and Abrahamson, E. (2010), *Sports Rehabilitation and Injury Prevention*. 1st ed. Somerset: Wiley.

Porter, S. B. and Wilson, J. (2021), *A comprehensive guide to sports physiology and injury management: an interdisciplinary approach*. 1st ed. Elsevier.

Employability – The University Skills Framework

Each module and degree programme are designed to support learners as they develop their graduate skills aligned to the University Skills Framework.

Using the philosophies of the Active Learning Framework (ALF) our 10 skills are embedded within programmes complementing core academic subject knowledge and understanding. Through continuous self-assessment students own their individual skills journey and enhance their employability and career prospects.

This Module forms part of a degree programme that has been mapped against the University Skills Framework

Learners can use this document to identify where and how they are building skills and how they can develop examples of their success.

