

Module specification

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Module Code	NUR701
Module Title	Enhancing Orthopaedic Practice
Level	7
Credit value	20
Faculty	FSLS
HECoS Code	100290
Cost Code	GANG
Pre-requisite module	N/A

Programmes in which module to be offered

Programme title	Core/Optional/Standalone
Post registration Nursing	Standalone

Breakdown of module hours

Learning and teaching hours	48 hrs
Placement tutor support hours	0 hrs
Supervised learning hours e.g. practical classes, workshops	0 hrs
Project supervision hours	0 hrs
Active learning and teaching hours total	48 hrs
Placement hours	36 hrs
Guided independent study hours	116 hrs
Module duration (Total hours)	200 hrs

Module aims

The aim of this module is to develop the specialist knowledge and core competency skills required for the holistic assessment, management and care of patients with elective, specialist and traumatic orthopaedic conditions within an interprofessional team environment to enable leading the enhancement of evidence-based practice.

Module Learning Outcomes

At the end of this module, students will be able to:

1	Utilise and apply a detailed knowledge and systematic understanding of the anatomy, physiology and pathophysiology of patients with elective, specialist or trauma orthopaedic conditions considering how this contributes to managing the holistic care of the patient.
2	Critically evaluate and demonstrate a comprehensive understanding of the underpinning evidence for safe and effective musculo- skeletal practice.
3	Demonstrate critical awareness and evaluation of current evidence-based practice to enhance the provision of high-quality care for patients with elective, specialist or trauma orthopaedic conditions.
4	Demonstrate achievement of an enhanced portfolio of orthopaedic practice through evidence-based portfolio development and reflective practice.

Assessment

Indicative Assessment Tasks:

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Assessment 1:

A presentation of 20 minutes length. Students will be required to present either a power point or poster presentation relating to the anatomy, physiology and pathophysiology of the musculo-skeletal system of a chosen patient and the principles of orthopaedic/trauma practice considering how this evidence contributes to holistic management of the patient's condition.

Assessment 2:

A portfolio of enhanced orthopaedic practice with four short form reflections.

Assessment number	Learning Outcomes to be met	Type of assessment	Duration/Word Count	Weighting (%)	Alternative assessment, if applicable
1	1, 2	Presentation	20 minutes	50%	N/A
2	3, 4	Portfolio	Equivalent to 4,000 words	50%	N/A

Derogations

Students are required to pass all assessment elements to pass the module. Any work submitted, however competent from an academic viewpoint, which omits or includes information which would indicate unsafe practice by the student or in any way breaches confidentiality will be deemed a 'refer'.

Learning and Teaching Strategies

The teaching and learning strategy will include, lectures, case-based learning, simulation-based education to ensure confident and competent practice. Teaching will be a blended approach being delivered both synchronous and asynchronously to allow for all learning needs

Welsh Elements

The programmes will be delivered through the medium of English. Students are entitled to submit assessments in the medium of Welsh. There is a university-wide policy to support this. Welsh Language / Welsh landscape considerations: The Welsh Language standards, issued by the Welsh Language Commissioner (2019), will be carefully considered throughout the programme. Additionally, they will be approved by the University Welsh Language Champion to ensure equity throughout. Many of our students will be working in Wales, with support from practitioners from the Health Boards/Trusts, thereby benefitting from Welsh vocational opportunities. We will ensure that Welsh speaking staff on the postgraduate team are available to act as personal tutors as requested. This enables us to support Welsh speaking students in their first language. Teaching of simulation-based education may also, with notice, have a Welsh speaker available. The simulation uniforms clearly identify those instructors who are Welsh speakers.

Indicative Syllabus Outline

- Anatomy and physiology of the musculo-skeletal and nervous systems and associated pathophysiology across the life span.
- Introduction to the enhanced portfolio of orthopaedic practice
- Principles of elective, specialist and trauma orthopaedic care.
- Surgical and non-surgical assessment and management
- Orthopaedic trauma including fractures and spinal cord injuries
- Acute care and management of orthopaedic trauma both minor and polytrauma
- Psychological affects following orthopaedic trauma
- Pain assessment and management
- Complications associated with elective, specialist and traumatic orthopaedic conditions and treatments
- Splinting, casting and application of traction
- Managing risk in an orthopaedic and trauma setting
- Interprofessional working with elective, specialist and trauma orthopaedic patients
- Implementing evidence-based practice in orthopaedic care

Indicative Bibliography

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads:

Clarke, S., Santy-Tomlinson, J. (2014) *Orthopaedic and Trauma Nursing-An evidence-based approach to musculo-skeletal care* Chicester Wiley Blackwell

Jester, R., Santy-Tomlinson, J. and Rogers, J. (2021) *Oxford Handbook of Orthopaedic and Trauma Nursing 2nd edition*, Oxford, Oxford University Press

Other indicative reading:

Bowen, G., McNally, M., Thomas, S., Gibson, A. (eds) (2010) *Oxford Handbook of Orthopaedics and Trauma* Oxford OUP

Solomon, L., Warwick, D. and Nayagam, S. (2022), *Apley and Solomon's Concise System of Orthopaedics and Trauma*. 5th ed. Boca Raton, FL: CRC Press.

Tortora, G and Derrickson, B. (2023), *Principles of Anatomy and Physiology*. 16th ed. Hoboken, NJ: Wiley.

Administrative Information

For office use only	
Initial approval date	19.05.2021
With effect from date	01.10.2021
Date and details of revision	April 2026: AM2 modification to revise learning outcomes, assessment strategy, credit reduction, and syllabus updates
Version number	02

