

Module specification

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Refer to the module guidance notes for completion of each section of the specification.

Module code	NUR701
Module title	Enhancing Orthopaedic Practice
Level	7
Credit value	40
Faculty	FSLs
Module Leader	Karen Griffiths
HECoS Code	100290
Cost Code	GANG

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
Pre-registration Nursing	Standalone

Pre-requisites

Healthcare professionals working in an orthopaedic/trauma clinical setting.

Breakdown of module hours

Type of Module hours	Amount
Learning and teaching hours	48 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	48 hrs
Placement / work based learning	36 hrs
Guided independent study	316 hrs
Module duration (total hours)	400 hrs

For office use only	
Initial approval date	19/05/2021
With effect from date	01/10/2021
Date and details of revision	
Version number	1

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. Demonstrate 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 principles 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. Critically analyse factors that impact the problem-solving and decision-making process when leading the care of a patient with a musculo- skeletal condition in an interprofessional environment
5. Demonstrate achievement of the RCN core competencies for orthopaedic and trauma practitioners

Assessment

Indicative Assessment Tasks:

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 knowledge contributes to holistic management of the patient's condition

Assessment 2

A written assignment of 2000 words critically evaluating how the use of current evidence-based practice enhances care of the patient and analysing factors that can impact decision making and the effective leadership of care for the orthopaedic/trauma patient in an interprofessional environment

Assessment 3

practice learning assessment of core orthopaedic and trauma practice competencies (pass/fail)

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1 & 2	Presentation	50%
2	3 & 4	Written Assignment	50%
3	5	Practical	Pass/fail

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

Teaching and learning strategies will include lectures and academic tutorials delivered either 'live' online or face to face sessions in a classroom

Asynchronous learning will be included that the student is required to undertake to meet the outcomes of the module and to prepare for assessment tasks, this will be reading materials, scenario work and forum contributions via VLE

The module will include demonstration, practical classes/ workshops, delivered or supervised by a technician / demonstrator or other specialist clinical staff.

Indicative Syllabus Outline

- Anatomy and physiology of the musculo-skeletal and nervous systems and associated pathophysiology across the life span
- Introduction to the RCN orthopaedic and trauma practitioner competence framework
- Principles of elective, specialist and trauma orthopaedic care
- Elective and specialist orthopaedic conditions- surgical and medical care and management
- Orthopaedic trauma including fractures and spinal cord injuries
Assessment, acute care and management of the patient with orthopaedic trauma
- 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
- Leading orthopaedic care
- Implementing evidence-based practice in orthopaedic care

Indicative Bibliography:

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., Nayagam, S. (2014) *Apley and Solomon's Concise System of Orthopaedics and Trauma* 4th ed Boco Ratan, CRC Press (5th edition due in May 2021)

Tortora, G and Derrickson, B (2016) *Principles of anatomy and physiology 15th ed* Hoboken, Wiley

Employability skills – the Glyndŵr Graduate

Each module and programme is designed to cover core Glyndŵr Graduate Attributes - the practitioners undertaking the module will already be employed healthcare professionals.

Core Attributes

Engaged
Enterprising
Creative
Ethical

Key Attitudes

Commitment
Curiosity
Resilience
Confidence
Adaptability

Practical Skillsets

Digital Fluency
Organisation
Leadership and Team working
Critical Thinking
Emotional Intelligence
Communication