Module Specification

Orthopaedics: Trauma and Surgery

Version: 2026-27, v2.0, Approved

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Part 1: Information

Module title: Orthopaedics: Trauma and Surgery

Module code: UZTYGM-20-M

Level: Level 7

For implementation from: 2026-27

UWE credit rating: 20

ECTS credit rating: 10

College: College of Health, Science & Society

School: CHSS School of Health and Social Wellbeing

Partner institutions: None

Field: Continuing Care Adult Nursing

Module type: Module

Pre-requisites: None

Excluded combinations: Orthopaedics: Trauma and Surgery 2026-27

Co-requisites: None

Continuing professional development: Yes

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: The Orthopaedics: Trauma and Surgery CPD Module provides an opportunity for professional development utilising a service improvement project within the student's own area of practice, engaging with the roles and responsibilities of the trauma and orthopaedic multidisciplinary team in delivering evidence-based care and rehabilitation.

Features: Entry requirement: Students must be a Registered Health or Allied Health Professional

Educational aims: This module aims to critically examine the roles and responsibilities of the trauma and orthopaedic multidisciplinary team in delivering evidence-based care and rehabilitation.

It aims to deepen professional knowledge and clinical competencies while fostering an understanding of the physiological, psychological, and social implications of musculoskeletal trauma and orthopaedic surgical interventions on patient outcomes.

Outline syllabus: The syllabus will typically include:

Musculoskeletal Foundations
Normal musculoskeletal anatomy and physiology
Normal bone healing
Pathophysiology of common traumatic and orthopaedic injuries
Functional implications for mobility and recovery

Clinical Assessment and Diagnosis
Principles of musculoskeletal and trauma assessment
Use of diagnostic tools and imaging
Simulation-based learning for clinical decision-making

Injury Management and Complications
Management of common musculoskeletal injuries (e.g., fractures, dislocations, soft tissue injuries)
Surgical and non-surgical treatment options
Fracture types and management
Recognition and management of complications (e.g., infection, PJI, septic arthritis, delayed healing, tissue viability, thromboembolism)

Pre- and Post-operative Care
Principles of perioperative care in trauma and orthopaedics
Enhanced recovery protocols
Patient education and discharge planning

Rehabilitation and Continuing Care
Health education principles and patient engagement
Mobilisation strategies and rehabilitation planning

Interdisciplinary Team Roles
Roles and responsibilities within the trauma and orthopaedic multidisciplinary team
Collaborative practice and communication
Leadership and accountability in patient care

Pharmacology and Pharmacokinetics
Analgesics, anti-inflammatories, anticoagulants, and antibiotics
Drug metabolism and interactions in orthopaedic patients
Pre/post operative medications management
Service Improvement and Quality Enhancement
Introduction to service improvement methodologies (e.g., PDSA cycles)
Identifying areas for change in trauma and orthopaedic services
Designing realistic service improvement projects

Academic Poster Development
Structuring and designing a visually engaging academic poster
Selecting a specific patient journey or condition as a case study
Integrating clinical evidence and service improvement proposals
Presentation skills

Part 3: Teaching and learning methods

Teaching and learning methods: The module will be delivered through a series of taught lectures, an in person simulation day, pre-recorded lectures, online content and self-directed study. A variety of learning approaches will be adopted and the student will be encouraged to engage in both directed and self-directed learning activities. The student will receive regular feedback aimed at developing their knowledge and understanding and will have regular opportunity to discuss their progress with the module lead(s).

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Critically integrate advanced knowledge of musculoskeletal anatomy, the pathophysiology of traumatic and orthopaedic injuries, and principles of pre- and post-operative care to inform clinical decision-making in trauma and orthopaedic practice.

MO2 Systematically evaluate the assessment, treatment, and rehabilitation of patients with musculoskeletal trauma, or orthopaedic injury or management, synthesising clinical evidence and interdisciplinary perspectives to identify complications and optimise patient outcomes.

MO3 Select and critically analyse a specific musculoskeletal injury or patient journey to design a realistic, evidence-informed service improvement project that enhances quality of care within trauma and orthopaedic service.

Hours to be allocated: 200

Contact hours:

Independent study/self-guided study = 152 hours

Staff-guided learning = 48 hours

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/index.html

Part 4: Assessment

Assessment strategy: Assessment Task:
Poster presentation (maximum 20 minutes): comprises an online (10 minute maximum) presentation, followed by (10 minutes maximum) of critical questioning.

The academic poster presentation to be submitted via the UWE Virtual Learning platform. The poster presentation should have a focus on a specific injury/orthopaedic condition or operation and also outline a quality improvement project relevant to the learners work place. The questioning will relate to the poster

presentation, and/or quality improvement project.

Formative support:
Online session on assessment at start of module.
Students have option of 1:1 meetings for questions and clarification to review a submission of a proposed poster plan with choice of topic, then review their draft poster with feedback, 3 weeks prior to submission date, to ensure meeting the learning outcomes.
Question and answer session online towards the end of module to check understanding.

Assessment tasks:

Presentation (First Sit)
Description: Poster presentation; 10 min maximum presentation, 10 min maximum questioning.
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Presentation (Resit)
Description: Poster presentation; 10 min maximum presentation, 10 min maximum questioning.
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study: