



## **Module Specification**

# Trauma and Mass Casualty Management

Version: 2023-24, v2.0, 12 Jul 2023

### **Contents**

<b>Module Specification .....</b>	<b>1</b>
<b>Part 1: Information .....</b>	<b>2</b>
<b>Part 2: Description .....</b>	<b>2</b>
<b>Part 3: Teaching and learning methods .....</b>	<b>4</b>
<b>Part 4: Assessment.....</b>	<b>4</b>
<b>Part 5: Contributes towards .....</b>	<b>5</b>

## Part 1: Information

**Module title:** Trauma and Mass Casualty Management

**Module code:** UZYYGS-15-2

**Level:** Level 5

**For implementation from:** 2023-24

**UWE credit rating:** 15

**ECTS credit rating:** 7.5

**Faculty:** Faculty of Health & Applied Sciences

**Department:** HAS School of Health and Social Wellbeing

**Partner institutions:** None

**Field:** Allied Health Professions

**Module type:** Module

**Pre-requisites:** None

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

**Professional, statutory or regulatory body requirements:** None

## Part 2: Description

**Overview:** This module will provide an overview of the UK Pre-Hospital approach to Major Trauma management. Discussion of the disease burden of major trauma and the UK major trauma networks will provide context to the main focus of the module, which is the assessment and management of the major trauma patient. Questions that will be answered on this module include; What impact does traumatic injury have on the human body? How should we approach the management of the major trauma patient and what are the key lifesaving interventions required? Attention will

also be given to understanding the importance of non-technical skills and human factors. In addition, the module will consider how to apply these principles within the context of mass casualty incidents, by discussing key aspects of interoperability, triage and the UK response to major incidents.

**Features:** Not applicable

**Educational aims:** The aims of the module are to explore the assessment and management of the traumatically injured patient within the context of paramedic practice. In addition, the module will consider how to apply these principles within the context of mass casualty incidents, by discussing key aspects of interoperability, triage and the UK response to major incidents.

**Outline syllabus:** - Trauma, the disease: the aetiology and epidemiology of major trauma

- Trauma services in the UK
- The kinematics of trauma
- The pathophysiology of shock, haemorrhage and the response to injury
- Human factors

Principles of major trauma management for

- Poly-trauma
- Brain and spinal cord trauma
- Torso trauma (chest, abdominal and pelvic)
- Shock and catastrophic haemorrhage
- Thermal injury
- Long-bone fracture

Principles of mass casualty management

- Mass casualty incidents
- Emergency services response and joint working
- Major incident management (structure, roles and equipment)
- Triage (primary and secondary)
- Post-incident considerations

### Part 3: Teaching and learning methods

**Teaching and learning methods:** Students will engage in a number of interactive lecture, simulation and seminar days.

Students are also given access to bespoke, interactive learning resources for the module, containing audios and quizzes, giving opportunities to develop knowledge and understanding as they progress through the module.

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

**MO1** Analyse the pathophysiology of trauma, including aetiology, kinematics and system-specific injury.

**MO2** Evaluate the principles and relevant theory of pre-hospital major trauma assessment and management, including life-saving interventions and human factors.

**MO3** Apply these principles within the context of mass casualty incidents, by discussing key aspects of interoperability, triage, treatment and post-incident considerations.

**MO4** Explain the organisation of major trauma systems and the UK response to mass casualty trauma.

**Hours to be allocated:** 150

**Contact hours:**

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

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

### Part 4: Assessment

**Assessment strategy:** Summative assessment will be a Structured Oral and Practical Exam.

Rationale: To provide the student with an opportunity to demonstrate knowledge and acquisition of trauma and mass casualty management skills.

Formative assessment will take place through interactive discussions, case review and also tutorial support by a personal tutor.

**Assessment tasks:**

**Practical Skills Assessment (First Sit)**

Description: Structured Oral and Practical Examination

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Practical Skills Assessment (Resit)**

Description: Structured Oral and Practical Examination

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Paramedic Science [Sep][FT][Glenside][3yrs] BSc (Hons) 2022-23

Paramedic Science [Feb][FT][Glenside][3yrs] BSc (Hons) 2022-23

Paramedic Science [Glenside] BSc (Hons) 2022-23

