

Module specification

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Module Code	PAR403
Module Title	Underpinning paramedic assessment and management
Level	4
Credit value	40
Faculty	Faculty of Social and Life Sciences
HECoS Code	100749
Cost Code	APA

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
BSc (Hons) Paramedic Science	Core

Pre-requisites

None

Breakdown of module hours

Learning and teaching hours	72 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	36 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	108 hrs
Placement / work-based learning	0 hrs
Guided independent study	292 hrs
Module duration (total hours)	400 hrs

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Initial approval date	31/8/22
With effect from date	September 22
Date and details of revision	

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Version number	1

Module aims

To gain the underpinning knowledge and skills required to clinically assess and manage service users of all ages presenting with a range of medical, traumatic and well-being emergency and urgent conditions likely in the out-of-hospital setting.

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

1	Assess and examine service users and human body systems essential to paramedic care
2	Discuss the management and treatment plans for commonly encountered conditions in the emergency and urgent care setting
3	Undertake key clinical skills and interventions safely and effectively
4	Recognise clinical situations when interventions should be initiated by a Registered Practitioner

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.

Formative assessment:

Clinical simulations, skill stations and clinical scenarios will be used throughout the delivery of this module and students will have the ability to practice all the competences taught. During these, self-assessed and tutor assessed proficiently checklists will be used and tutor and peer feedback during scenarios will provide comment on student performance and development.

Summative assessment:

The summative element of this module will involve eight observed clinical skill stations. Each station will be ten minutes in duration and will focus on one clinical skill in isolation. A list of the possible skills assessed will be provided but they can be any of the medical, trauma or wellbeing, assessment or management, skills taught within the module. Each skill station will be scored and the combined score for all stations will determine the overall grade for the module. Students will need to demonstrate safety and competency and pass each skill station to achieve an overall passing grade for the module.

This is a core module and therefore an overall pass of the module is required for progression within the course. The combined score for the observed skill stations has a 100% weighting and therefore the mark you achieve in these will be the overall grade for the module.

If a student is unsuccessful in any of the assessed skill stations, they only need to reattempt that skill and the standard resit opportunities are allowed.

If you are unsuccessful and need to repeat a skill it will be capped at 40% which will then contribute to the calculation of the overall grade for the module. If you require a reassessment attempt, then the overall grade for the module will be capped at 40%.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1 – 4	Practical	100%

Derogations

- Compensation of marginally failed modules is not permitted
- Condonement of failed modules is not permitted

Learning and Teaching Strategies

This module introduces you to the initial thorough and systematic assessment and management of service users across all the age ranges expected from someone working on an emergency and urgent care ambulance. We will look at the treatment and management guidelines of the medical, trauma and well-being conditions encountered in the out-of-hospital environment, and you will learn and practice the essential clinical skills and interventions needed to allow you to contribute to the care of service users.

Your learning will be based on a spiral curriculum approach where the focus of teaching in this module is the essential knowledge and skills needed for the initial assessment and management of service users. Further assessment and management knowledge and skills at a more sophisticated level will be introduced, and previous principles reinforced, as you progress throughout the course.

There will be directed pre-session materials that will prepare you for the synchronous learning that takes place in real time in the form of seminars or workshops. Post-session learning materials, such as additional reading, worksheets, and quizzes, will be provided to amalgamate and further your understanding of the topics covered. Learners have a responsibility to manage and engage with the asynchronous learning course materials (video clips, recorded lectures, forums, readings, and quizzes) available on Moodle.

Face-to-face sessions – or synchronous learning - will be delivered through seminar style sessions incorporating group work and practical simulated activities such as skill stations and service user clinical scenarios. Teaching will involve discussion, demonstration, and practice of the clinical skills using realistic clinical simulation equipment.

Clinical simulation is a way to replicate real-world healthcare scenarios in an environment which is safe for education and experimentation purposes. Learners can treat real-life clinical scenarios while receiving in-classroom instruction and have the freedom to make mistakes and learn from them.

During practice-based teaching, learners may be requested to be involved in clinical and practical activities which may include role play, biomechanical assessments, patient positioning and practicing clinical techniques.

Indicative Syllabus Outline

- Patient assessment and examination across the life span
- Systematic approach
- Scene assessment and Mechanism of Injury
- Models of patient assessment
- Clinical history taking
- Communication and interpersonal skills
- Infection prevention control and Personal Protective Equipment
- Clinical observations and examination
- Interpretation of clinical features and data
- Clinical skills and procedures
- Clinical interventions and therapy
- Supporting the senior clinician
- Consent and informed decisions
- Ambulance equipment
- Cardiac arrest management
- Assessment and management of medical conditions
- Assessment and management of trauma conditions
- Foundation assessment of body systems
- Assessment and management of mental health conditions
- Assessment and management of normal and complicated pregnancy
- Assessment and management of the older patient
- Assessment and management of the paediatric patient
- Introduction to the assessment and management at the end of life
- Pain management
- Administration of medications
- Schedule 19 Medicines – the Human Regulations Act 2012
- Stepwise airway management
- Oxygen therapy and ventilation
- Electrocardiograms
- Positioning and immobilisation of patients
- Functional abilities of patients
- Major incidents and triage

Indicative Bibliography:

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

Essential Reads

- Brown, Simon., Kumar, Surrendra, and James, Cathryn. *Joint Royal Colleges Ambulance Liaison Committee: Clinical guidelines*. Bridgwater. Class Professional Publishing, 2019
- Pilbery, R. & Lethbridge, K. (2019) *Ambulance care essentials*. Second edition. Bridgwater: Class Professional Publishing.

Other indicative reading

- Blaber, Amanda, and Graham Harris. *Assessment Skills for Paramedics*. Third edition. Maidenhead: Open University Press, 2021
- *Immediate Life Support*. 4th edition. London: Resuscitation Council UK, 2021
- Inglis, Dianne, and Jeff Kenneally. *Clinical Skills for Paramedic Practice ANZ*. Amsterdam: Elsevier, 2020.
- Till, Charles. *Clinical ECGs in Paramedic Practice*. Bridgwater. Class Professional Publishing, 2021
- The Royal College of Surgeons. Faculty of Prehospital Care. *Foundation Material For Immediate Care Manual*. United Kingdom. 2019.
- Willis, Sam, and Roger Dalrymple. *Fundamentals of Paramedic Practice: a Systems Approach*. Second edition. Hoboken, New Jersey: Wiley-Blackwell, 2020

Employability skills – the Glyndŵr Graduate

Each module and programme are designed to cover core Glyndŵr Graduate Attributes with the aim that each Graduate will leave Glyndŵr having achieved key employability skills as part of their study. The following attributes will be covered within this module either through the content or as part of the assessment. The programme is designed to cover all attributes and each module may cover different areas.

Core Attributes

Engaged

Key Attitudes

Commitment

Confidence

Practical Skillsets

Organisation

Communication