



# **Dip HE in Paramedic Practice**

## **Course Modules & Learning Outcomes**

The following document highlights the course modules and learning outcomes that you will be required to complete as part of the Certificate in Paramedic Studies.

The modules covered are:

- Developing Paramedic Practice
- Advanced Clinical Skills
- Leadership in Paramedic Practice
- Advanced Pathophysiology
- Patient Assessment & Management in Paramedic Practice

## **Developing Paramedic Practice**

### **Summary**

This module builds and expands on the knowledge and skills gained during the pre requisite module: - Foundations of Clinical Practice. As well as taking a more comprehensive approach to subject areas introduced in the foundation module, this module further develops research skills, critique, audit and reflective practice. A combination of group presentation and project work encourage the student toward the evidence based, reasoned and rational approach required to develop into an effective healthcare professional, within the scope of paramedic practice. Continuing professional development remains a focus and responsibility in maintaining ones own currency and fitness to practice is reinforced throughout. Overall, this module contributes in developing a responsible, accountable and proficient paramedic, confident in the delivery of care and capable of recommending and instigating effective care plans both autonomously and collaboratively.

### **Learning Outcomes**

- Use audit, critical evaluation and reflective skills to become an autonomous and accountable paramedic
- Demonstrate a commitment to the use of evidence and research using research skills and have an understanding of evidence based clinical decision making, describing the reasoning and rationale behind decisions
- Demonstrate an understanding of the need for maintaining a portfolio of fitness to practice to the standards expected of the Health Professionals Council
- Define professionalism and the responsibility to become a responsible, accountable and proficient paramedic, confident in the delivery of care and capable of recommending and instigating effective care plans both autonomously and collaboratively.

## **Advanced Clinical Skills**

### **Summary**

This module provides an opportunity for students to further develop existing clinical skills in a challenging, but safe, environment. Students will be encouraged to make independent clinical decisions in relation to advanced patient care whilst recognising and working within professional constraints set by the regulating body.

### **Learning Outcomes**

- Demonstrate the advanced clinical skills required to treat a patient appropriately including therapeutic intervention in varied, including emergency situation; adapting and modifying clinical skills as required through practical syndicate work and clinical simulation assessed by OSCE.
- Exercise initiative and independence when carrying out basic advanced and specialised clinical skills and be able to recognise when a patient requires further more specialised skills and how to access these.
- Demonstrate the advanced diagnostic, monitoring and specialised treatment procedures safely and skilfully.
- Demonstrate advanced knowledge of working within a safe ambulance practice environment, protecting yourself and others.

## **Leadership in Paramedic Practice**

### **Summary**

Healthcare provision tends to occur within complex organisational structures which represent a range of professional and consumer interests. This also occurs within the field of paramedic practice. This module will offer the paramedic student a context based perspective on Leadership. Issues such as leadership styles and functions, professional and inter – professional roles, the importance of clinical governance and audit to clinical leadership will be discussed. It will equip the paramedic student with the skills necessary to develop effective leadership and teamwork and assist them in creating a climate conducive to the development and delivery of high quality patient care.

### **Learning Outcomes**

- Describe the processes and characteristics in the formation of groups and teams, including effective team working.
- Evaluate the role of the paramedic clinician in relation to becoming an accountable and autonomous individual able to make reasoned decisions, communicating effectively.
- Analyse the political, organisational and professional issues that shape leadership and paramedic practice including the role of mentoring.
- Discuss the relevance of clinical governance to clinical leadership and audit

## **Advanced Pathophysiology**

### **Summary**

This module will build and develop students' knowledge gained during year one module, Pathophysiology in pre-hospital care. Students will deepen their knowledge and understanding of human anatomy and physiology and pathophysiology. The course is designed to increase students' knowledge of physiological and developmental changes over the lifespan. Students will study and develop advanced knowledge of acute and chronic diseases, illness and dysfunction in the human body. This module will enable students to further develop their knowledge and skills in order to make safe and effective clinical judgements and provide clinical leadership and expertise in paramedic practice. Knowledge and understanding gained in this module will be practically demonstrated within the advanced clinical skills and Patient assessment and management in Paramedic Practice modules.

### **Learning Outcomes**

- Demonstrate a detailed knowledge of the human anatomy and physiology across all age ranges.
- Demonstrate the detailed knowledge of illness normal and altered anatomy and physiology throughout the human lifespan
- Demonstrate the detailed knowledge of Pathophysiology of the respiratory, cardiovascular, nervous, skeletal, endocrine and gastrointestinal systems throughout the human lifespan.
- .Demonstrate the advanced knowledge of illness and injury throughout the human lifespan
- Demonstrate the basic knowledge of anatomy and physiology in the context of obstetric, paediatric and trauma patients.

## **Patient Assessment and Management in Paramedic Practice**

### **Summary**

This module will build upon the knowledge gained in the ambulance practice to develop the students' knowledge, understanding and considerations appropriate and necessary to deliver effective patient care within the scope of paramedic practice. It will enhance the students' patient assessment and management capabilities in ill health including but not confined to the following areas, advanced assessment skills, minor injuries and illness, trauma and non-hospitalisation options available to the paramedic.

### **Learning Outcomes**

- Demonstrate the need to practice safely and effectively and autonomously within their scope of practice.
- Demonstrate the importance of gaining consent, maintaining confidentiality and correctly recording information, appropriately within paramedic practice
- Demonstrate the ability to select from a wide range of advanced and some specialist assessment skills, meeting the needs of the patient using clinical reasoning and where possible guide the formation of a diagnosis across all age ranges, modifying and adapting as necessary through practical syndicate work and clinical simulation assessed by OSCE.
- Practice in Accordance with current legislation governing the use of prescription only medicines and demonstrate pharmacological knowledge.
- Demonstrate knowledge in relation of related Pathophysiology, sufficient to understand the nature and effects of injury or illness whilst conducting assessment and observation.
- Demonstrate advanced skills in interpretation of electrocardiographic rhythms, 3 lead and 12 lead, and waveforms in order to apply appropriate treatment strategies.