

Unit Outline (Higher Education)

Institute / School: Institute of Health and Wellbeing

Unit Title: Paramedic Clinical Diagnostics I

Unit ID: HCPAR5011

Credit Points: 15.00

Prerequisite(s): Nil

Co-requisite(s): (HCPAR5001)

Exclusion(s): Nil

ASCED: 069905

Description of the Unit:

Clinical Diagnostics 1 is designed to be taught in conjunction with Clinical Paramedicine 1. It will introduce the participant to the Clinical Practice Guidelines and their application. This unit introduces the student to paramedicine and pre hospital assessment and care with a focus on common medical presentations. Utilising models of practice, the student will develop in the fundamentals of Paramedicine practical and theoretical clinical competencies. These will include an introduction to the pre hospital ambulance management of patients both at scene and in moving vehicle for presentations including cardiac/respiratory, pre hospital analgesia, mental health and paediatrics.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Work Experience:

No work experience

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the Unit but gained a final mark of 45 per cent or above, has completed all major assessment tasks (including all sub-components where a task has multiple parts) as specified in the Unit Description and is not eligible for any other form of supplementary assessment.

Course Level:

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Introductory	■	■	■	■	■	■
Intermediate	■	■	■	■	■	■
Advanced	■	■	■	✓	■	■

Learning Outcomes:

Knowledge:

- K1.** Summarise the Clinical Practise Guideline (CPG) and work within these guidelines to inform paramedic scope of practise.
- K2.** Distinguish the anatomical and physiological differences of the paediatric patient and demonstrate a comprehensive understanding of appropriate assessment and management of these patients.
- K3.** Demonstrate a clear understanding of the assessment and management of pre hospital medical emergencies with particular focus on cardiac and respiratory presentations.
- K4.** Appraise the Mental Health Act and understand the implications to assessment and management of mental health presentations within the pre hospital setting.
- K5.** Examine pre hospital analgesia and discuss the legal, moral and ethical implications of 'standing orders'.

Skills:

- S1.** Demonstrate competently the ability to apply specialised skills and knowledge into a practical environment through successful completion of Objective Standard Clinical Examinations (OSCE).
- S2.** Operate within the boundaries of the Clinical Practise Guidelines and provide appropriate management with a particular focus of the pre hospital cardiac and respiratory presentation.
- S3.** Calculate medication doses and volumes without the aid of an electronic device with a particular focus on paediatric medication administration.
- S4.** Make appropriate judgements using the Mental Health Assessment tool and implement care in accordance with the Mental Health Act and Clinical Practise Guidelines.

Application of knowledge and skills:

- A1.** Initiate, plan, implement and evaluate the management of cardiac, respiratory, mental health and pain relief presentations within the pre hospital scope of practise with a particular focus on Clinical Practise Guidelines.
- A2.** Determine the legal and ethical obligations in regards to the Mental Health Act and engage professionally with other emergency services when providing pre hospital care to the mentally unwell.
- A3.** Develop an understanding of the anatomy, physiology, pathophysiology, emotional, mental and developmental differences in regards to paediatric patients and demonstrate appropriate adjusted assessment skills.

Unit Content:

The Clinical Practice Guidelines will be analysed in depth to support the learning in this unit. This course will examine the unit and pre-hospital management of cardiovascular and respiratory emergencies. It will also introduce concepts of care for the paediatric patient and basic methods of assessment. The participant will gain an understanding of the patient with a mental illness and the relevant legal and ethical aspects of the Mental Health Act.

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1, K2, K3, K4, K5, S2, S3, S4, A1, A2, A3	Examination of 2 hours consisting of a combination of multiple choice questions, short answers questions and/or case study based questions to determine understanding and application of unit content.	Examination	60% - 80%
K1, K3, S2, S3, A1, A3	Design a quick reference guide for the ambulance management (ALS) of a patient with a predetermined medical condition (i.e. chest pain). Use a scenario to demonstrate the assessment and management for this presentation.	Clinical Approach Assignment	20% - 40%
S1, S2, S3, S4, A1, A3	Practical demonstration of theoretical and clinical skills assessed via a scenario setting.	Objective Clinical Standard Examination	S/U

Adopted Reference Style:

APA ()

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