

MODULE DESCRIPTOR

Module Title

Developing Paramedic Science

Reference	NU2401	Version	2
Created	September 2024	SCQF Level	SCQF 8
Approved	May 2020	SCQF Points	30
Amended	December 2024	ECTS Points	15

Aims of Module

To enable the student to apply understanding of the sciences across the lifespan in relation to paramedic practice.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Explain the epidemiology and aetiology of prevalent physical, mental, behavioural and cognitive health conditions across the lifespan.
- 2 Discuss the pathophysiology, psychopathology and related clinical features of prevalent physical, mental, behavioural and cognitive health conditions across the lifespan.
- 3 Apply knowledge of pharmacological, physical and psychological interventions in the management of prevalent physical, mental, behavioural and cognitive health conditions across the lifespan.
- 4 Discuss the physiology of women's health and childbirth.
- 5 Explore the impact of prevalent physical, mental, behavioural and cognitive health conditions on individuals and their families.

Indicative Module Content

Epidemiology; Aetiology; Pathophysiology; Psychopathology; Anatomy; Physiology; Pharmacology; Polypharmacy; Pharmacodynamics and pharmacokinetics; Virology; Immunology; Genetics; Classification systems; Impact of health conditions and treatments on individuals and their families; Woman's health; Additional care for pregnancy; Childbirth and new-born infants; Impact of social structures; Social systems; Social class; Social functions; Psychological perspectives; Psychological trauma and trauma informed care - aetiology, diagnosis, and treatment of a range of health conditions across the lifespan. This module aligns with UNSDG goal 5

Module Delivery

Blended learning approach including: lectures, tutorials, online learning, virtual community.

Module Ref:

NU2401 v2

Indicative Student Workload

Contact Hours

Full Time

70

Part Time

N/A

Non-Contact Hours

230

N/A

Placement/Work-Based Learning Experience [Notional] Hours

N/A

N/A

TOTAL

300

N/A

*Actual Placement hours for professional, statutory or regulatory body***ASSESSMENT PLAN***If a major/minor model is used and box is ticked, % weightings below are indicative only.***Component 1**

Type:

Examination

Weighting:

100%

Outcomes Assessed:

1, 2, 3, 4, 5

Description:

Written exam

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

Unseen written exam

Module Grade

Minimum Requirements to achieve Module Grade:

A

C1=A

B

C1=B

C

C1=C

D

C1=D

E

C1=E

F

C1=F

NS

Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module

None, in addition to SCQF level 8 requirements or equivalent

Corequisites for module

None.

Precluded Modules

None.

INDICATIVE BIBLIOGRAPHY

- 1 ATHERTON, H. and CRICKMORE, D., 2012. *Learning Disabilities: Towards inclusion*. 6th ed. Croydon: Elsevier
- 2 COLLINS, E., DRAKE, M., and DEACON, M., eds., 2013. *The physical care of people with mental health problems: a guide for best practice*. London: Sage.
- 3 HEALTH AND CARE PROFESSIONS COUNCIL (HCPC), 2016. *Standards of Conduct, performance and ethics*. London: HCPC.
- 4 LINDEN, D., 2019. *The Biology of Psychological Disorders*. 2nd ed. London: RED GLOBE PRESS
- 5 McCANCE, K. and HUETHER, S., eds., 2014. *Pathophysiology: the biologic basis for disease in adults and children*. 7th ed. St Louis, MI: Mosby.
- 6 MCGAVOCK, H., 2016. *How drugs work: basic pharmacology for healthcare professionals*. 4th ed. London: Taylor Francis Group.
- 7 PILGRIM, D., 2020. *Key concepts in mental health, 5th edition*. London: Sage.
- 8 RANDALL, M and NEIL, K., 2016. *Disease management: a guide to clinical pharmacology*. 3rd ed. London: Pharmacology Press.