

# Pathophysiology

## Module Information

2022.01, Approved

### Summary Information

Module Code	5001PM
Formal Module Title	Pathophysiology
Owning School	Nursing and Allied Health
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
Nursing and Allied Health

### Learning Methods

Learning Method Type	Hours
Lecture	40
Online	10
Tutorial	1

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

### Aims and Outcomes

Aims	To explore human anatomy, physiology and pathophysiology in relation to paramedic practice.
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**After completing the module the student should be able to:**

**Learning Outcomes**

Code	Number	Description
MLO1	1	Analyse the anatomy and physiology of the cardiovascular, nervous and respiratory systems.
MLO2	2	Apply knowledge of anatomy, physiology and pathophysiology to a range of prehospital conditions.
MLO3	3	Analyse the factors that influence homeostasis.

**Module Content**

Outline Syllabus	Relationships between anatomical structure and function of body systems including: cardiovascular, respiratory, nervous and endocrine. Pathophysiology of body systems including: cardiovascular, respiratory, nervous, and endocrine. Haemodynamics. Homeostatic imbalance. Feedback systems. Heat transfer and normal body temperature. Buffer systems. Fluid and electrolyte balance and imbalances.
Module Overview	This module will explore human anatomy, physiology and pathophysiology in relation to paramedic practice.
Additional Information	This module provides the theoretical base for student's development of skills and competencies required for paramedic practice. It focuses on physical and life sciences exploring how these relate to human health and illness. The module will cover anatomy, physiology and pathophysiology including the interaction between systems in health, illness and injury.

**Assessments**

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	3 hour examination	100	3	MLO1, MLO2, MLO3

**Module Contacts**

**Module Leader**

Contact Name	Applies to all offerings	Offerings
Ronald Harris	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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