

Liverpool John Moores University

Title: Pathophysiology
Status: Definitive
Code: **5001PM** (125181)
Version Start Date: 01-08-2021

Owning School/Faculty: Nursing and Allied Health
Teaching School/Faculty: Health

Team	Leader
Ron Harris	Y

Academic Level: FHEQ5
Credit Value: 20
Total Delivered Hours: 54
Total Learning Hours: 200
Private Study: 146

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	40
Online	10
Tutorial	1

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	3 hour unseen written examination	100	3

Aims

To explore human anatomy, physiology and pathophysiology in relation to paramedic practice.

Learning Outcomes

After completing the module the student should be able to:

- 1 Analyse the anatomy and physiology of the cardiovascular, nervous and respiratory systems.
- 2 Apply knowledge of anatomy, physiology and pathophysiology to a range of prehospital conditions.
- 3 Analyse the factors that influence homeostasis.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

3 hour examination	1	2	3
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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.

Learning Activities

Lectures, group work, group discussions, e-learning.

Notes

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.