Liverpool John Moores University

Title:	Applied Paramedic Science
Status:	Definitive
Code:	**5001PARA** (121407)
Version Start Date:	01-08-2021
Owning School/Faculty:	Nursing and Allied Health
Teaching School/Faculty:	Nursing and Allied 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: S1 & S2 & Summer

Component	Contact Hours
Lecture	40
Online	10
Tutorial	1

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination covering anatomy, physiology and pathophysiology.	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 pre hospital 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 unseen written exam.	1	2	3

Outline Syllabus

Relationship 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 imbalance.

Learning Activities

Group work.
E learning.

Notes

This module provides the theoretical base for students' 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.