

## Liverpool John Moores University

Title: Fundamentals of Paramedic Sciences  
Status: Definitive  
Code: **4114PPPARA** (120600)  
Version Start Date: 01-08-2015

Owning School/Faculty: Nursing and Allied Health  
Teaching School/Faculty: Education, Health and Community

Team	Leader
Denise Dixon	Y

**Academic Level:** FHEQ4      **Credit Value:** 24.00      **Total Delivered Hours:** 55.00  
**Total Learning Hours:** 240      **Private Study:** 185

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	18.000
Online	31.000
Tutorial	4.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	ASS1		100.0	2.00

### Aims

*To understand human anatomy, physiology and pathophysiology.  
To introduce students to pharmacology.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the role and function of major body systems and the relationship between anatomical structure and function.
- 2 Understand the factors that adversely affect homeostasis
- 3 Identify the elements of growth and development in the human life cycle.
- 4 Appreciate the principles of pharmacology.

## Learning Outcomes of Assessments

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

Written exam.	1	2	3	4
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## Outline Syllabus

*Physical and life sciences including:*

*Introduction to cells, tissues & organs.*

*Human growth and development. Body systems including: cardiovascular, respiratory, musculoskeletal, digestive, urinary, nervous, reproductive.*

*Genetics.*

*Nutrition.*

*Dysmorphogenesis.*

*Microbiology.*

*Immunology.*

*Haemodynamics.*

*Endocrine system.*

*Homeostatic imbalance.*

*Positive & negative feedback systems.*

*Principles of pharmacology, core drugs PGDs and legalities.*

## Learning Activities

Lecture

Online sessions

Tutorials (individual / group)

Self directed / guided study.

## Notes

This theory module has been designed to develop the students understanding of anatomy, physiology and pathophysiology in relation to their scope of practice within the ambulance service. It will introduce them to the principles of pharmacology appropriate to their practice. It will also offer a base of knowledge to support them if they were to continue to study this subject at level 5.

The module learning outcomes and relevant subject benchmark statements are in

line with the QAA framework for higher education qualifications in England, Wales and Northern Ireland. The module is aligned to the Level 4 descriptors for a Level 4 Higher Education Qualification.

The module is a distance learning module that is six months long. The criteria for admission to the module is that candidates are currently employees with the North West Ambulance Service.

The final award is a Continuing Professional Development Certificate - Fundamentals of Paramedic Sciences, 24 credits at Level 4.

The students have access to a Blackboard site and the University's other range of electronic support such as access to the electronic library facilities. The module will have a developed Blackboard site with study guides and links to other appropriate sources (e.g. elearning sites, quizzes) The module Blackboard site will also develop a number of presentations for students to access on areas such as academic writing. The students also have access to the module leader through phone contact, emails and face to face meetings if this is viable. A module guide is also provided which guides students to the wider range of support available to them. The programme is assessed and run in line with the Academic Framework: <http://www.ljmu.ac.uk/eaqs/121984.htm>

Minimal/ negotiated attendance is required throughout the module and the module will be reviewed in 2019.

The methods for improving the quality and standards of learning are as follows:

Annual monitoring Review

Liaison and feedback from the students

Reports from External Examiner

Liaison with NWAS

Ensuring the module reflects the values of the current teaching and learning strategy

Module leader updating knowledge and skills to ensure these remain current and relevant.

This is a stand alone CPD and as such, a specific external examiner is identified for this module. An Annual Monitoring Review is prepared for this module.