

## Liverpool John Moores University

Title: Fundamentals of Paramedic Sciences  
Status: Definitive  
Code: **4011PPPARA** (119518)  
Version Start Date: 01-08-2014

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

Team	Leader
Denise Dixon	Y

**Academic Level:** FHEQ4      **Credit Value:** 24.00      **Total Delivered Hours:** 63.00  
**Total Learning Hours:** 240      **Private Study:** 177

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	45.000
Off Site	3.000
Online	12.000
Tutorial	1.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	ASS1	2 hour comprising of 3 sections covering the learning outcomes.	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. HCPC 3a1.
- 2 Understand the factors that influence homeostasis. HCPC 3a1.
- 3 Understand elements of growth and development in the human life cycle. HCPC 3a1.
- 4 Understand the principles of pharmacology. HCPC 1a1, 3a1.

### **Learning Outcomes of Assessments**

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

Written	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**

Lectures, group discussion, e-learning materials, group work.

### **Notes**

This module offers preparatory understanding of how the human body works with an introduction to pharmacology. It explores human anatomy and physiology by considering growth and development within the context of the human lifecycle. It will enhance the students' understanding of human biological systems. As such, it will consider basic and common dysfunctions in human physiology and pathophysiology.