

## Liverpool John Moores University

Title: Fundamentals of Paramedic Sciences  
Status: Definitive  
Code: **4011PARA** (122528)  
Version Start Date: 01-08-2020

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

Team	Leader
Denise Dixon	Y

**Academic Level:** FHEQ4      **Credit Value:** 20      **Total Delivered Hours:** 59  
**Total Learning Hours:** 200      **Private Study:** 141

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	16
Online	40
Tutorial	1

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Unseen examination with a combination of multiple choice, true false and short answers questions.	100	2

### Aims

*To understand human anatomy, physiology and pathophysiology.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Define the role and function of major body systems.
- 2 Describe the relationship between anatomical structure and function.
- 3 Understand the factors that influence homeostasis.
- 4 Understand elements of growth and development in the human life cycle.

### **Learning Outcomes of Assessments**

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

Unseen examination	1	2	3	4
--------------------	---	---	---	---

### **Outline Syllabus**

*Physical and life sciences including:*

*Introduction to cells, tissues and organs.*

*Human growth and development.*

*Body systems including: cardiovascular, respiratory, nervous, musculoskeletal, digestive, urinary, endocrine and reproductive.*

*Genetics.*

*Role of nutrition in health and illness.*

*Immunology.*

*Homeostatic imbalance.*

*Feedback systems.*

*Fluid balance.*

*Haemodynamics.*

*Dysfunction.*

*Pathophysiology.*

### **Learning Activities**

Lectures, group discussions, group work, e learning.

### **Notes**

This module explores human anatomy and physiology by considering growth and development within the context of the human life cycle. It will enhance the students' understanding of human biological systems; as such it will consider basic and common dysfunctions in the human physiology and pathophysiology.

1. The programme code is 25663 and is approved for a March intake. There is no PSRB requirements. The module learning outcomes are in line with the level 4 descriptors of the Framework for Higher Education Qualifications of UK Degree-Awarding Bodies.

2. The module involves classroom attendance, which is further supported by a range of learning support tools. the module is 14 weeks long and part time.

3. The criteria for admission to the module require that candidates are currently working within an NHS Trust. Candidates will have a minimum of two years' experience of front line ambulance service experience or candidates will be on the Certificate in Higher Education in Urgent and Emergency Care.

4. The final award is a Continuing Professional Development – Fundamentals of Paramedic Science , 20 credits at Level or forms 20 credits as part of the Certificate in Higher Education award.

5. 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 has continued to develop with an up to date Blackboard site reflecting contemporary reading lists and links to journal articles. The module Blackboard site has also developed and now includes a number of presentations for students to access on areas such as critical writing and library support. 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 students.

6. The programme is assessed and run in line with the Academic Framework:

<https://www.ljmu.ac.uk/about-us/public-information/academic-quality-and-regulations/academic-framework>.

7. Attendance is required on the planned days for the module and engagement of learning material though on line study is essential and will be available through the Blackboard site.

8. Module review 2015 /2016.

9. 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
- Programme team 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

10. This is a standalone CPD. A specific external examiner is identified for the module. The module also sits within the Certificate in Higher Education in Urgent and Emergency Care.