

## Module Information

2022.01, Approved

### Summary Information

Module Code	4003PHASCI
Formal Module Title	Principles of Human Biology and Disease
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

### Learning Methods

Learning Method Type	Hours
Lecture	26
Practical	15
Tutorial	2
Workshop	16

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

### Aims and Outcomes

Aims	To explore principles of human physiology and pathology with respect to homeostatic mechanisms. To demonstrate an understanding of bacteria, viruses and fungus and their role in human health and disease.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Recall the principles of cellular communication.
MLO2	2	Identify the importance of homeostatic control in the human body and patho-physiology of these regulatory systems.
MLO3	3	Recognise the replicative cycle of bacteria, fungi and viruses and their role in human health and disease.
MLO4	4	Demonstrate an understanding of bacteria and anti-bacterial agents through practical application.
MLO5	5	Describe the structure and function of the human immune system and the implications of immune disease.

### Module Content

Outline Syllabus	Introduction to cell biology Autonomic and central nervous systemsConcepts in homeostasisHaematologyIntroduction to EndocrinologyGI endocrinology Classification of microorganismsGI Microbiome - role in human health and diseaseMicrobiology in health and medicine Bacteria and diseaseAntibacterial agentsViruses and viral disease and antiviralsConcepts in ImmunologyMycology and antifungals
Module Overview	This module enables you to explore principles of human physiology and pathology with respect to homeostatic mechanisms. You will learn about bacteria, viruses and fungus and their role in human health and disease.
Additional Information	The module provides an introduction to human physiology and microbiology.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Laboratory report	40	0	MLO3, MLO4, MLO5
Centralised Exam	Examination	60	2	MLO1, MLO2, MLO3, MLO5

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Vicki Anderson	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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