

## Liverpool John Moores University

Title: Biology 2  
Status: Definitive  
Code: **3515IFESG** (124187)  
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering  
Teaching School/Faculty: Study Group

Team	Leader
Jack Mullett	Y

**Academic Level:** FHEQ3  
**Credit Value:** 10  
**Total Delivered Hours:** 34.5  
**Total Learning Hours:** 100  
**Private Study:** 65.5

### Delivery Options

Course typically offered: Semester 2 and Summer

Component	Contact Hours
Lecture	17
Seminar	7
Tutorial	3
Workshop	6

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination	100	1.5

### Aims

*To provide foundation students with an introduction to Physiological processes in animals and plants in preparation for undergraduate degrees in biological or biochemical sciences. The focus will be on mammalian physiology (especially human).*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the structural and functional properties of the biological tissues and physiological systems covered in the syllabus.
- 2 Explain how these systems operate and are controlled using accurate biological vocabulary.
- 3 Interpret biological images and diagrams.

## Learning Outcomes of Assessments

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

Examination	1	2	3
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## Outline Syllabus

*Tissue types- epithelial tissue, connective tissue, excitable tissue, examples of plant tissues*

*Systems- homeostasis, endocrine, nervous, cardiovascular (including blood), respiratory, digestive, reproductive, urinary, immune, musculoskeletal and nutrient/ water transport in plants*

## Learning Activities

Lectures and seminars will be used to consolidate knowledge of biological concepts. Workshops will allow students to demonstrate application of knowledge. The presentation of facts and data will be a theme throughout learning and teaching.

## Notes

As previously stated, mammalian Physiology is the focus, although some examples of plant tissues and plant physiology will be treated for balance.