

Liverpool John Moores University

Title: PHYSIOLOGY
Status: Definitive
Code: **3003BELSC** (101152)
Version Start Date: 01-08-2011

Owning School/Faculty: Arts, Professional and Social Studies
Teaching School/Faculty: Bellerby's College - Brighton

Team	Leader
Jarmila Hickman	Y

Academic Level: FHEQ3
Credit Value: 12.00
Total Delivered Hours: 68.00
Total Learning Hours: 120
Private Study: 52

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	55.000
Practical	11.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Practical Session and subsequent Report (2 Hours)	15.0	
Exam	AS3	Module Examination	75.0	2.00
Test	AS2		10.0	

Aims

To provide an introduction to the organization and integration of physiological processes in animals and plants. The animal physiology content places particular emphasis on mammalian, especially human, physiology.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the structural and functional properties of the various human physiological systems covered in the syllabus.
- 2 Explain the role of hormones in the regulation of these physiological systems.
- 3 Demonstrate the ability to recall relevant material under test and examination conditions.
- 4 Apply knowledge learned and understanding gained to new situations.
- 5 Use a range of equipment under laboratory conditions.
- 6 Interpret experimental data and explain results using relevant scientific knowledge.

Learning Outcomes of Assessments

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

REPORT	5	6				
EXAM	1	2	3	4		
TEST	1	2	3	4	5	6

Outline Syllabus

1. *Cardiovascular system*
2. *Blood*
3. *Respiratory system*
4. *Osmo-regulatory system*
5. *Digestive system*
6. *Control and co-ordination*
7. *Reproductive system*

Learning Activities

Tutor-led lessons to small classes, practical work and assessment, regular formative assignments, class tests and terminal module examination.

References

Course Material	Book
Author	Toole, G & S
Publishing Year	1999
Title	Understanding Biology for Advanced Level
Subtitle	
Edition	4th Edition
Publisher	Nelson Thomas

ISBN	9780748739578
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Course Material	Book
Author	Tortora and Grabowski
Publishing Year	2005
Title	Principles of Anatomy and Physiology
Subtitle	
Edition	11th Edition
Publisher	John Wiley and Sons
ISBN	9780471718710

Course Material	Book
Author	Roberts, M et al
Publishing Year	2000
Title	Advanced Biology
Subtitle	
Edition	
Publisher	Nelson Thornes
ISBN	9780174387329

Notes

This module builds on earlier biological studies by allowing students to deepen their knowledge and understanding of physiological processes in plants and animals, but, most especially, in humans.