

## Liverpool John Moores University

Title: BIOLOGY 2  
Status: Definitive  
Code: **3505IFYSP** (107127)  
Version Start Date: 01-08-2011

Owning School/Faculty: Liverpool Business School  
Teaching School/Faculty: Liverpool Business School

Team	Leader
Elizabeth Thompson	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: Runs Twice - S1 & S2

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)	25.0	
Exam	AS2	Module Examination	75.0	2.00

### 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 on practical	5	6			
EXAM	1	2	3	4	

### 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

<b>Course Material</b>	Book
<b>Author</b>	Toole, G & S
<b>Publishing Year</b>	1999
<b>Title</b>	Understanding Biology for Advanced Level
<b>Subtitle</b>	
<b>Edition</b>	4th edition
<b>Publisher</b>	Nelson Thomas
<b>ISBN</b>	9780748739578

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

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

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### 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.