

MODULE DESCRIPTOR

Module Title

Vertebrate Anatomy And Physiology

Reference	AS2174	Version	2
Created	August 2021	SCQF Level	SCQF 8
Approved	February 2018	SCQF Points	30
Amended	August 2021	ECTS Points	15

Aims of Module

To give students studying Applied Biosciences a comprehensive understanding of the principles of the anatomy and physiology relevant to vertebrate species.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Discuss the role and function of the major organs within the body.
- 2 Discuss the differences in the anatomy and physiology of the different classes of vertebrates.
- 3 Discuss the position and structure of the major organs within the body.

Indicative Module Content

Terminology used in anatomy; Evolution of vertebrates; Bones, Skeletons and Teeth; Muscles; Joints, Ligaments and Biomechanics; Digestive tract; Respiratory Tract; Urogenital System and Reproduction; Nervous system; Sense Organs and Common Integument; Heart and Circulation; Endocrinology and Lymphatic System

Module Delivery

A combined approach utilising formal lectures and dissection laboratories.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	48	N/A
Non-Contact Hours	252	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Examination	Weighting:	60%	Outcomes Assessed:	1, 2
Description:	Unseen closed book examination				

Component 2

Type:	Coursework	Weighting:	40%	Outcomes Assessed:	3
Description:	Laboratory report				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The first grade represents Component 1 (EX1) weighted as major and the second, Component 2 (CW1), weighted as minor. A minimum of Module Grade D is required to pass the module, with compensation of grade E in Component 1 or Component 2 permitted. Non-submission of either component will result in an NS grade.

Module Grade	Minimum Requirements to achieve Module Grade:
A	AA, AB
B	AC, AD, BA, BB, BC, CA
C	AE, BD, BE, CB, CC, CD, DA, DB, EA
D	CE, DC, DD, DE, EB, EC
E	AF, BF, CF, DF, ED, EE, EF, FA, FB, FC, FD
F	FE, FF
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Successful completion of Stage 1 of the course or equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- REECE J. B. *Campbell Biology*. Current Edition. Pearson International.
- RANDALL D. J. *Eckert animal physiology: mechanisms and adaptations* Current Edition. W. H. Freeman.