

MODULE DESCRIPTOR

Module Title

Cell Biology			
Reference	PL1801	Version	1
Created	October 2022	SCQF Level	SCQF 7
Approved	June 2023	SCQF Points	30
Amended		ECTS Points	15

Aims of Module

To provide students with a broad knowledge and understanding of cell biology.

Learning Outcomes for Module

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

- 1 Demonstrate knowledge of the basic structure, functions, and growth of different cells and tissues.
- 2 Demonstrate an understanding of the positive and negative associations of microbes with humans.
- 3 Demonstrate an understanding of genetic inheritance, variation, and evolution.

Indicative Module Content

Structure and function of different cell types and their organelles; structure and function of various tissues; cell division and inheritance; microbial diversity and growth; pathogenic and commensal microbes; roles of microbes in food, medicine and forensics; anti-microbials; diversity, speciation and evolution of life.

Module Delivery

Theoretical material will be delivered by lectures and supported by tutorials, online support material and guided reading.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	70	N/A
Non-Contact Hours	230	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: 100% Outcomes Assessed: 1, 2, 3
 Description: Closed book examination

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

Component 1 (EX1) comprises 100% of the module grade. A minimum of a Grade D is required to pass the module.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A
B	B
C	C
D	D
E	E
F	F
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None, in addition to course entry requirements.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 MADIGAN, M.T. et al., 2019. Brock Biology of Microorganisms. Current Edition. Texas, US; Pearson.
- 2 POSTGATE, J.R., 2000. Microbes and man. Current Edition. Cambridge: Cambridge University Press
- 3 REECE, J.B. et al., 2011. Campbell Biology: Concepts and Connections. 7th Edition. Pearson.
- 4 SCOTT, J. et al., 2022. Biological Science: Exploring the Science of Life. Current Edition. Oxford; Oxford University Press.