

MODULE DESCRIPTOR

Module Title

Advanced Biomedical Practice - Cellular Science

Reference	ASM502	Version	1
Created	May 2021	SCQF Level	SCQF 11
Approved	December 2021	SCQF Points	30
Amended		ECTS Points	15

Aims of Module

To enable the student to develop an advanced understanding of patient-centred laboratory practice in the field of Cellular Sciences. To provide students with the knowledge and skills to address Cellular Sciences service development in a clinical laboratory.

Learning Outcomes for Module

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

- 1 Critically evaluate the impact of laboratory results, testing methodologies, and Standard Operating Procedures on patient pathways.
- 2 Critically appraise recent developments in the field of Cellular Sciences, in relation to laboratory service improvement.
- 3 Critically discuss the role of multidisciplinary teaming on effective laboratory service provision in Cellular Sciences.

Indicative Module Content

Critical evaluation of clinical, diagnostic and research approaches within histopathology, cytopathology, molecular pathology, digital pathology, dissection and immunocytochemistry. Consideration of best clinical laboratory practice, human factors and potential implications for both patients and laboratory staff. The case-study based teaching style will encourage the development of multidisciplinary communities of practice and complex problem-solving skills.

Module Delivery

This module is delivered online with a mix of lectures and case study-based tutorials supplemented by directed reading.

Indicative Student Workload	Full Time	Part Time
Contact Hours	20	20
Non-Contact Hours	280	280
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	300
<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: Coursework Weighting: 70% Outcomes Assessed: 1, 2
 Description: Students will be asked to critically analyse a clinical case study relating to Cell Sciences

Component 2

Type: Coursework Weighting: 30% Outcomes Assessed: 3
 Description: Poster

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The module is assessed using the two components of assessment detailed in the Assessment Plan. The y axis (vertical) represents Component 1 (case study) weighted as major (70%) and the x axis (horizontal) represents Component 2 (poster), weighted as minor (30%). A minimum of Module Grade D is required to pass the module, with some compensation of grade E in C1 or C2 permitted. Non-submission of either component will result in an NS grade.

		Coursework:						NS
		A	B	C	D	E	F	
Coursework:	A	A	A	B	B	B	E	
	B	B	B	B	C	C	E	
	C	B	C	C	C	D	E	
	D	C	C	D	D	D	E	
	E	D	D	D	E	E	E	
	F	E	E	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 or equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 SUVARNA, S., LAYTON, C. and BANCROFT, J., 2018. *Bancroft's theory and practice of histological techniques*. 8th ed. Elsevier.
- 2 YOUNG, B., O'DOWD, G. and WOODFORD, P., 2014. *Wheater's Functional Histology- A Text and Colour Atlas*. 6th ed. Philadelphia, PA : Elsevier Churchill Livingstone.
- 3 O'DOWD, G., BELL, S. and WRIGHT, S., 2019. *Wheater's Pathology: A Text, Atlas and Review of Histopathology*. 6th ed. Elsevier.
- 4 SCHMITT, F., 2017. *Cytopathology*. 2nd ed. Cham, Switzerland : Springer.
- 5 Detailed lists are provided by academic staff to reflect the subject matter.