MODULE DESCRIPTOR

Module Title

Biology Of Disease

Reference	AS4902	Version	5
Created	August 2021	SCQF Level	SCQF 10
Approved	May 2011	SCQF Points	15
Amended	September 2021	ECTS Points	7.5

Aims of Module

To provide students with the ability to evaluate and critically appraise the factors involved in the diagnosis of disease.

Learning Outcomes for Module

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

1	Distinguish between normal and abnormal human health conditions on the basis of clinical and analytical data.
2	Interpret clinical laboratory data to determine the nature and extent of human health disorders.
3	Propose an appropriate strategy for the elucidation of a human health problem showing appreciation of how new developments may impact on the diagnosis made.
4	Discuss the uncertainties involved in the diagnosis of disease and the relative benefits of case conferences and other methods of review.

Indicative Module Content

Multifactorial aspects of disease and the multidisciplinary approach to the investigation and diagnosis of disease. The National Health Service, and private practice. Review of normal and abnormal health characteristics, genetic variation. Oncology: characteristics of benign and malignant tumours, metastasis, genetic aspects. Case conferences. Case studies: from biochemistry, cell pathology, immunology, haematology, human genetics, microbiology, drug use and abuse, oncology.

Module Delivery

This module will be delivered mainly through student-centred activity. Clinical case studies will be supported by directed reading which will include scientific research papers, tutorials and discussion. Lectures will introduce the major themes; keynote lectures from visiting speakers will illustrate the multidisciplinary approach used in the diagnosis, monitoring and treatment of disease.

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Indicative Student Workload	Full Time	Part Time
Contact Hours	40	N/A
Non-Contact Hours	110	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

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

Component 1

Type:	Coursework	Weighting:	60%	Outcomes Assessed:	1, 2
Description:	Case Study dissertation.				

Component 2

Type:	Coursework	Weighting:	40%	Outcomes Assessed:	3, 4
Description:	Oral presentation of a contemporary journal article.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The first grade represents Component 1 (CW1) weighted as major and the second, Component 2 (CW2), 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 3, or equivalent.
Corequisites for module	None.
Precluded Modules	None.

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INDICATIVE BIBLIOGRAPHY

1	Peer reviewed publications in biomedical science journals and specialist reviews.
2	GIBBS, R. and HEUGH, S. *Biology of Disease (Fundamentals of Biomedical Science).* Current Edition. Oxford University Press.
3	AHMED, N., DAWSON, M., SMITH, C. and WOOD, E. *Biology of Disease*. Current Edition. Taylor & Francis Group.