Module Title **Diagnosis Of Disease** **Keywords** Disease, clinical analysis, data interpretation, diagnosis, multidisciplinary approach, National Health Service, Certificate of Competence Portfolio of Registration.	Reference AS4092 SCQF SCQF Level 10 SCQF Points 15 ECTS Points 7.5 Created July 2002 Approved September 2004 Amended May 2006 Version No. 2

Prerequisites for Module

Students should be familiar with the content of all the biology and analytical science modules presented in Stages 2 and 3 of the course (or their equivalents).

Corequisite Modules

AS4008, AS4009, AS4010, AS4064 and AS4065

Precluded Modules

None.

Aims of Module

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

Learning Outcomes for Module

On completion of this module,

Case studies: from biochemistry, cell pathology, immunology, haematology, human genetics, microbiology, drug use and abuse, oncology.

Indicative Student Workload

Contact Hours	Full Time
Lectures	10
Tutorials/Seminars	30
Directed Study	
Directed Study	60
Private Study	
Private Study	50

Mode of 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

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.
5. Explain 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.

from visiting speakers will illustrate the multidisciplinary approach used in the diagnosis of disease.

Assessment Plan

	Learning Outcomes Assessed
Coursework	1,2,3,4,5

There will be two elements of coursework:
(i) Group oral presentation and individual literature survey (all LOs - 40%).
(ii) Case Study Dissertation (all LOs - 60%). This piece of work will be incorporated into the Year 4 Certficate of Competence Portfolio of Registration.

Indicative Bibliography

1. Peer reviewed publications in biomedical science journals and specialist reviews.
2. GIBBS, R. and HEUGH, S., 2011. *Biology of Disease (Fundamentals of Biomedical Science)*. Oxford University Press.
3. AHMED, N., DAWSON, M., SMITH, C. and WOOD, E., 2007. *Biol Biology of Disease*. Taylor & Francis Group.