

Module Details	
Module Title	Clinical Diagnostics in Reproductive Science
Module Code	BIS6018-B
Academic Year	2022/3
Credits	20
School	School of Chemistry and Biosciences
FHEQ Level	FHEQ Level 6

Contact Hours	
Type	Hours
Seminars	6
Tutorials	12
Lectures	16
Directed Study	166

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1

Module Aims
The aim of this module is to expand understanding and gain experience of the application and delivery of a range of core and specialised methods and techniques of reproductive science and illustrate their value in relevant areas of clinical practice.

Outline Syllabus
The anatomy and physiology of the female and male reproductive tracts. Overview of sexual differentiation and biochemical tests of human female and male reproductive function. Causes and incidence of female, male and combined infertility. Overview of gametes and fertilisation. Characteristics of normal and abnormal semen samples. Tests of compatibility between female and male partners and systematic investigation of the infertile couple. Situations in which assisted reproductive technologies are applicable. Methods of in-vitro fertilisation, systems used to maintain gametes and embryos, embryo viability, cryopreservation and storage. Regulation and guidelines associated with assisted reproductive technologies (eg Human Fertilisation Act)Application of specific prognostic and predictive markers in designing patient management programmes (eg oestrogen receptor, HER-2). Existing and proposed screening programmes for breast cancer, colon cancer, prostate cancer etc

Learning, Teaching and Assessment Strategy

Information outlining the knowledge and understanding required for this module is delivered in lectures. This information is reinforced by practical and workshop sessions. In the workshops you will work in groups to research information, interpret data, solve problems and develop your understanding. The workshop exercises will require you to work under pressure, meet deadlines and develop communication skills. Teaching is enhanced by the use of visiting specialist lecturers from local Hospitals.

HCPC competencies covered in this module include: 1.2, 2.7, 3, 4.2, 4.4, 4.5, 8, 10, 14, 15.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Examination - Closed Book	One 2-hour examination comprising two from a choice of five essays (2 Hrs)	60%
Summative	Presentation	Group Presentation (1 Hr)	20%
Summative	Coursework	Data Interpretation Exercise (1 Hr)	20%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.