

Research Topics 2

Module Code:	BIS6010-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Chemistry and Biosciences
Subject Area:	Biomedical Science
FHEQ Level:	FHEQ Level 6
Module Leader:	Dr Munir Hussain

Additional Tutors:

Dr Steven Picksley, Dr Jennifer Waby, Dr Steven Shnyder, Professor Paul Loadman, Mrs Gillian Jaggar, Dr Jonathan Fletcher, Dr Jeremy Ross, Dr Dean Harrington, Dr Kirsten Riches-Suman, Dr Munir Hussain, Dr Gisela Helfer, Dr Natalia Botchkareva, Dr James Boyne, Dr Michael Fessing, Dr Martin Brinkworth, Dr Andrei Mardaryev, Dr Julie Thornton, Professor Vladimir Botchkarev, Dr Sobia Kauser, Dr Desmond Tobin, Professor Richard Morgan

Pre-requisites:

Co-requisites: Biomedical Science Research Project 2018-19

Contact Hours

Type	Hours
Tutorials	5
Directed Study	195

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims

To develop an in-depth knowledge and understanding of a selected topic within your chosen specialist option. To develop a critical appreciation of relevant primary literature sources, clinical and experimental studies and how they enhance understanding of the topic. Provide an opportunity to further develop discipline specific and personal transferable skills.

Outline Syllabus

Employ independent learning time to devise search criteria to identify key publications in the selected field. The directed study time is also used to understand the complexities of the topic to develop an oral presentation, which outlines the key information. During the presentation students will demonstrate knowledge and understanding by answering questions & discussing their specialist topic.

To facilitate this students will be given tutorial sessions on how to clearly convey information, effective use of library catalogues and electronic databases for literature searching, the principles/applications of scientific enquiry and the evaluation of published data.

Description of Assessment:

An oral presentation (journal club-style presentation) on one primary research article (40%) and a viva voce examination to assess knowledge, understanding of the whole topic and critical evaluation of all 5 supervisor-selected research articles (60%).

Reassessment of failed elements will be as per the initial method of assessment.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 Critically review a topic within the chosen specialism.
- 2 Appraise recent studies and developments from the primary literature, which are related to a selected topic in the chosen specialism (HCPC standards 8, 14, 13).
- 3 Present and discuss scientific information in the form of an oral presentation and viva voce, using the correct scientific terminology (HCPC standards 8, 14).
- 4 Demonstrate effective management of workload, resources to work successfully to a deadline.
- 5 Demonstrate personal responsibility for self-directed learning & time management.

Learning, Teaching and Assessment Strategy

Development of knowledge, understanding and critical appreciation will be self-directed. Students will be supported by academic staff with specialist knowledge of the selected topic of study. Small groups of students will receive a briefing on the topic by an individual member of staff. You will then be expected to research the topic independently and/or in your group to develop your knowledge and understanding of it, and determine what the latest developments in the field are. Five key references will be provided and you will be expected to critically evaluate the work presented in them, and determine the contribution each has made to the overall topic, with support where necessary from the academic staff member.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Presentation	An individual oral presentation on a published research paper (LO 1-5)	20 minutes	40%	No
Summative	Examination - oral/viva voce	Individual viva voce exam (LO 1-5)	20 minutes	60%	Yes

Legacy Code (if applicable)

BM-3122D

Reading List

To view Reading List, please go to [rebus:list](#).