UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title	Cancer Therapeutics Research Project
Module Code	INC7019-E
Academic Year	2023/4
Credits	60
School	School of Pharmacy and Medical Sciences
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Lectures	3
Tutorials	12
Directed Study	285
Laboratories	300

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 3

Module Aims

To provide the opportunity for students to: Develop self-direction and originality in the application of knowledge and problem solving. Develop a comprehensive understanding of appropriate scientific techniques and how those techniques can be used to create and interpret knowledge. Develop an understanding of appropriate procedures and issues surrounding safe conduct in laboratory and compliance with regulatory and legal requirements. Further develop their analytical, critical analysis, time management and IT skills. Further develop their awareness of current issues in cancer therapeutics and safety pharmacology. Work as part of a research team on a real world project

Outline Syllabus

Introduction to specific project areas and laboratory methods, COSHH and biological risk assessment, ethical considerations, time management, data management. Introduction to research team and laboratory. 10 week laboratory research period. Writing a 10,000 word dissertation.

Learning Outcomes	
Outcome Number	Description
01	Demonstrate a systematic understanding of the application of current research methods to solve new problems.
02	Critically evaluate published results and your own work to formulate research conclusions and plan future work.
03	Use theoretical and practical approaches to analyse a current problem in Cancer Pharmacology, Cancer Drug Discovery or Safety Pharmacology.
04	Plan & implement a programme of original research.
05	Appraise a particular scientific problem; systematically gather, critically analyse and evaluate data in order to solve it; Present data in appropriate way; Apply statistical analysis where appropriate.
06	Interpret results & discuss critically in context of published work.
07	Further develop literature searching skills using electronic media sources.
08	Critically assess previously reported research.
09	Originally apply knowledge in a specific area.
10	Suggest appropriate future work based on your own and others results
11	Perform an assessment of potential hazards associated with research activity in your area and document a programme of work in accordance with all relevant safety, ethics, GLP and data management requirements.
12	Work effectively as part of a team to agree objectives, responsibilities and working arrangements.
13	Explore problems and compare and select options to overcome them.
14	Demonstrate effective time management and project planning.
15	Review your work and identify ways of improving future work. Identify your own professional development needs and take appropriate action.
16	Further develop an IT strategy to organise and refer to literature, and present data in an appropriate manner in your dissertation.
17	Develop a strategy to present and discuss your research.
18	Demonstrate effective communication skills in scientific writing and an oral examination.

Learning, Teaching and Assessment Strategy
Learning outcomes 1-10 and 16-18 are assessed via a 10,000 word dissertation and a 20 minute structured viva voce examination. Learning outcomes 11-15 are assessed continuously through the module by the supervisor.

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Self and Peer Assessment	Supervisor's assessment of laboratory performance	10%
Summative	Presentation	Seminar/viva (20 Mins)	10%
Summative	Dissertation or Project Report	Project report 0-10000 words	80%

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.

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