UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title	Research Project
Module Code	PHA7011-E
Academic Year	2024/5
Credits	60
School	School of Pharmacy and Medical Sciences
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Tutorials	20
Directed Study	280
Laboratories	300

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

Module Aims

To develop the student's ability in the scientific research method. To provide an opportunity and a framework for original thinking, creativity, development of problem solving and analytical skills, and potentially to create new knowledge and insights within the context of a laboratory-based research project. To develop a comprehensive understanding and expertise in the area of the chosen project including the use of appropriate technical methods and instruments/equipment.

Outline Syllabus

As agreed with the project supervisor. The project should give due consideration to issues of ESD, safety and ethics as required.

Learning Outcomes	
Outcome Number	Description
01	Describe and interpret application of the scientific methodDemonstrate in-depth knowledge of the field of the chosen projectDemonstrate an understanding of the basis and application of technical methods that are employed in the chosen field of the projectIdentify the important scientific journals in pharmaceutical sciences.Demonstrate knowledge of how results and findings are reported in the scientific literature including how scientific papers are structured.
02	Cite references appropriately.Critically evaluate pharmaceutical literature and identify the important outstanding problemsUtilise technical methods and equipments relevant to your chosen research projectAnalyse scientific data, derive inferences, and identify limitations.Depending on the chosen project, be able to use statistical methods
03	Organise and manage an extensive literature search.Critically appraise research findings.Communicate scientific findings in writing and by oral presentation, and contribute to discussions.Demonstrate qualities and skills required to exercise initiativeExercise personal responsibility and decision making in a complex and unpredictable (in terms of results that one might obtain) laboratory environment.Demonstrate good time managementDemonstrate independent learning and critical thinking skillsWork co-operatively and effectively with a mentor

Learning, Teaching and Assessment Strategy

Each student will have a choice in selecting the project topic. The project will be carried out under the supervision of an academic staff member. The first stage will involve an extensive literature search and evaluation, followed by the definition of the problem to be tackled.

Following the first stage, the student will make an oral presentation of the background to the project, aims, and initial results. The presentation will serve as a milestone in ensuring progression and identification of actual or potential issues. Students will be required to comply with all regulatory aspects of the project e.g. COSHH assessment and compliance with the Human Tissue Act.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Dissertation or Project Report	Dissertation (8000 words)	70%
Summative	Examination - practical/laboratory	Continuous assessment - laboratory performance	10%
Summative	Presentation	Oral presentation (15 minutes)	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.

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