

| Module Details | |
|------------------------|---|
| Module Title: | Research Project |
| Module Code: | PHA7011-E |
| Academic Year: | 2019-20 |
| Credit Rating: | 60 |
| School: | School of Pharmacy and Medical Sciences |
| Subject Area: | Pharmacy |
| FHEQ Level: | FHEQ Level 7 (Masters) |
| Pre-requisites: | |
| Co-requisites: | |

| Contact Hours | |
|----------------------|--------------|
| Type | Hours |
| Tutorials | 20 |
| Laboratory | 300 |
| Directed Study | 280 |

| Availability | |
|---------------------|--|
| Occurrence | Location / Period |
| BDA | University of Bradford / Semester 3 (June - Oct) |

| 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 | |
|--------------------------|---|
| 1 | Describe and interpret application of the scientific method Demonstrate in-depth knowledge of the field of the chosen project Demonstrate an understanding of the basis and application of technical methods that are employed in the chosen field of the project Identify 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. |
| 2 | Cite references appropriately. Critically evaluate pharmaceutical literature and identify the important outstanding problems Utilise technical methods and equipments relevant to your chosen research project Analyse scientific data, derive inferences, and identify limitations. Depending on the chosen project, be able to use statistical methods |
| 3 | 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 initiative Exercise personal responsibility and decision making in a complex and unpredictable (in terms of results that one might obtain) laboratory environment. Demonstrate good time management Demonstrate independent learning and critical thinking skills Work 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 | Length | Weighting |
| Summative | Presentation | Oral presentation | 15 minutes | 20% |
| Summative | Examination - practical/laboratory | Continuous assessment - laboratory performance | | 10% |
| Summative | Coursework | Dissertation | -8000 words | 70% |

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.