

| Module Details         |                                             |
|------------------------|---------------------------------------------|
| <b>Module Title:</b>   | Research Topics 2                           |
| <b>Module Code:</b>    | BIS6010-B                                   |
| <b>Academic Year:</b>  | 2019-20                                     |
| <b>Credit Rating:</b>  | 20                                          |
| <b>School:</b>         | School of Chemistry and Biosciences         |
| <b>Subject Area:</b>   | Biomedical Science                          |
| <b>FHEQ Level:</b>     | FHEQ Level 6                                |
| <b>Pre-requisites:</b> |                                             |
| <b>Co-requisites:</b>  | Biomedical Science Research Project 2019-20 |

| Contact Hours  |       |
|----------------|-------|
| Type           | Hours |
| Tutorials      | 5     |
| Directed Study | 195   |

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

| Module Aims                                                                                                                                                                                                                                                                                                                                                                |
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| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| 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.<br>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.

### Learning Outcomes

|   |                                                                                                                                                                  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|-----------|------------------------------|------------------------------------------------------------------------|------------|-----------|
| Summative | Presentation                 | An individual oral presentation on a published research paper (LO 1-5) | 20 minutes | 40%       |
| Summative | Examination - oral/viva voce | Individual viva voce exam (LO 1-5)                                     | 20 minutes | 60%       |

### Reading List

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

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*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.*