

| Module Details        |                              |
|-----------------------|------------------------------|
| <b>Module Title</b>   | MRes Project Part 2          |
| <b>Module Code</b>    | LIS7021-E                    |
| <b>Academic Year</b>  | 2022/3                       |
| <b>Credit Rating</b>  | 60                           |
| <b>School</b>         | Life Sciences (Faculty-wide) |
| <b>Subject Area</b>   | Life Sciences (Faculty-wide) |
| <b>FHEQ Level</b>     | FHEQ Level 7                 |
| <b>Pre-requisites</b> |                              |
| <b>Co-requisites</b>  |                              |

| Contact Hours                      |       |
|------------------------------------|-------|
| Type                               | Hours |
| Supervised time in studio/workshop | 6     |
| Tutorials                          | 15    |
| Directed Study                     | 204   |
| Laboratories                       | 375   |

| Availability |                   |
|--------------|-------------------|
| Occurrence   | Location / Period |

|     |                                     |
|-----|-------------------------------------|
| BDA | University of Bradford / Semester 1 |
| 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 advanced scientific techniques and how those techniques can be used to create and interpret knowledge. - Further develop their analytical, critical analysis, time management and IT skills.- Further develop their awareness of current issues in a research topic of their choice.- Work as part of a research team on a real-world project.

### Outline Syllabus

Continuation of the research initiated in MRes Project 1 through a 10-week period of laboratory work.

### Learning Outcomes

|    |                                                                                                                                                                                                               |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Update assessment of potential hazards associated with research activity in their area and document a programme of work in accordance with all relevant safety, ethics, GLP and data management requirements. |
| 02 | Systematically gather, critically analyse and evaluate data, present data in an appropriate way and apply statistical analysis where appropriate.                                                             |
| 03 | Review results and identify ways of improving future work.                                                                                                                                                    |
| 04 | Interpret results, discuss critically in the context of published work and suggest appropriate future work based on their own and others' results.                                                            |
| 05 | Demonstrate effective communication skills by presenting a poster.                                                                                                                                            |
| 06 | Demonstrate effective communication skills in preparation of a dissertation.                                                                                                                                  |
|    | Work effectively to agreed objectives, responsibilities and working                                                                                                                                           |

### Learning, Teaching and Assessment Strategy

The module develops and enhances student autonomy in learning. Students will continue their research project as part of a research team in the University of Bradford. Learning outcomes are developed and achieved throughout the module by completing an individually-designed programme of laboratory work. Students meet frequently with their academic supervisor and other researchers who provide individual training and continual formative feedback throughout the project.

### Mode of Assessment

| Type      | Method                         | Description                                                                   | Weighting                    |     |
|-----------|--------------------------------|-------------------------------------------------------------------------------|------------------------------|-----|
| Summative | Dissertation or Project Report | Dissertation (12,000 words)                                                   |                              | 60% |
| Summative | Coursework                     | Poster Presentation (AO size)                                                 |                              | 10% |
| Summative | Coursework                     | Supervisor's assessment of laboratory competence, independence and initiative |                              | 10% |
| Summative | Presentation                   | Defence of dissertation (oral exam) (15 minutes)                              | 15 mins                      | 20% |
| Formative | Dissertation or Project Report | Draft dissertation                                                            | Draft dissertation           |     |
| Formative | Presentation                   | Draft of Poster                                                               | Draft of Poster              |     |
| Formative | Not assessed                   | Slides for oral presentation                                                  | Slides for oral presentation |     |

|           |              |                        |                        |  |
|-----------|--------------|------------------------|------------------------|--|
| Formative | Not assessed | Mock job/PhD interview | Mock job/PhD interview |  |
|-----------|--------------|------------------------|------------------------|--|

## 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.*