

**MODULE CODE:** Code ACDB6003  
**TITLE:** Major Project  
**DATED:** 08/7/2018  
**LEVEL:** 6  
**CREDITS:** 40  
**JACS CODE:** H610

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#### **AIM(S)**

- To provide an opportunity for the student to develop and demonstrate their ability to manage a significant project of their own choice, related to the major themes of their chosen course.

#### **LEARNING OUTCOMES**

Upon the successful completion of this module, the student should be able to:

- Critically evaluate technical and other literature and to apply the evidence gathered to solve a complex problem
- Demonstrate a professional and systematic approach to the solution of complex problems
- Demonstrate high level professional skills to present information both orally and in a written form
- Demonstrate the ability, as an individual, to plan a complex project and to produce a convincing artefact as a solution to the problem
- Understand and effectively apply the legal ethical and professional issues in the development of a project

#### **INDICATIVE CONTENT**

- Overview of research and development methodologies suitable for student projects.
- Overview of common statistical techniques
- Visualisation of different data types
- Ethical issues
- Sustainability issues
- Establishing and justifying metrics, analysis of test results e.g. including software benchmarking,
- Contingency planning
- Development of documentation for academic projects
- Presentation of work produced to an academic audience
- Subject-specific content as required

## LEARNING AND TEACHING STRATEGY

The study time for the module is divided as follows:

| Activity type        | Hours      | Percentage  |
|----------------------|------------|-------------|
| Scheduled learning   | 25         | 6%          |
| Independent learning | 375        | 94%         |
| Placement learning   | 0          | 0%          |
| <b>TOTAL</b>         | <b>400</b> | <b>100%</b> |

## ASSESSMENT

### Assessment Component 1

☐ Written exam      ☐ Coursework      ☒ Practical

| Mode of assessment | Volume                                 | Weighting |
|--------------------|----------------------------------------|-----------|
| Presentation       | Presentation and Q&A (10mins & 10mins) | 5%        |

### Assessment Component 2

☐ Written exam      ☒ Coursework      ☐ Practical

| Mode of assessment | Volume                    | Weighting |
|--------------------|---------------------------|-----------|
| Report             | Dissertation (9000 words) | 75%       |

### Assessment Component 3

☐ Written exam      ☐ Coursework      ☒ Practical

| Mode of assessment | Volume                                 | Weighting |
|--------------------|----------------------------------------|-----------|
| Presentation       | Presentation and Q&A (15mins & 10mins) | 15%       |

### Assessment Component 4

☐ Written exam      ☐ Coursework      ☒ Practical

| Mode of assessment | Volume | Weighting |
|--------------------|--------|-----------|
| Exhibition Board   | N/A    | 5%        |

The Major Project module deviates from the standard assessment recommendations given in the quality handbook due to its special role within the programme. This module has been developed and perfected over many years and it was found that without several levels of intermediate assessment then students tended to fall behind on this module. The inclusion of the exhibition board was included to boost the employability skills of graduates which is presented to invited employers at the annual graduation show

## Assessment Summary

| Activity type | Percentage  |
|---------------|-------------|
| Written exam  | 0%          |
| Coursework    | 75%         |
| Practical     | 25%         |
| <b>TOTAL</b>  | <b>100%</b> |

## READING LIST

| Module Code    | DUM6008                                                                                                                                                                              |                                     |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Module Title   | Major Project                                                                                                                                                                        |                                     |
| Classification | Reading List entry                                                                                                                                                                   | Electronic*                         |
| Essential      | Avison, D. and Fitzgerald, G. (2007), <i>Information Systems Development: Methodologies, Techniques and Tools</i> , 4 <sup>th</sup> Edition McGraw-Hill: Maidenhead.                 | <input checked="" type="checkbox"/> |
| Essential      | Kranzler, J.H. (2017) <i>Statistics for the Terrified</i> , 6 <sup>th</sup> Edition , Rowman & Littlefield, Lanham.                                                                  | <input checked="" type="checkbox"/> |
| Essential      | McCormac, C and Davis, J. (2012) <i>Research Project Success: The Essential Guide for Science and Engineering Students</i> . RSC Publishing, Cambridge                               | <input checked="" type="checkbox"/> |
| Essential      | O'Leary, Z. (2013) <i>The Essential Guide to Doing Your Research Project</i> , 3 <sup>rd</sup> Edition, SAGE Publications Ltd                                                        | <input checked="" type="checkbox"/> |
| Essential      | Saunders, M., Lewis, P. and Thornhill, A. (2015), <i>Research Methods for Business Students</i> , 7 <sup>th</sup> Edition FT/Prentice Hall: Harlow                                   | <input checked="" type="checkbox"/> |
| Further        | Baase, S. (2012), <i>A Gift of Fire: Social, Legal, and Ethical Issues for Computing and the Internet: International Edition</i> , 4 <sup>th</sup> Edition Pearson: NY               | <input checked="" type="checkbox"/> |
| Further        | Collis, J. and Hussey, R. (2014) <i>Business Research: a Practical Guide for Undergraduate and Postgraduate Students</i> , 4 <sup>th</sup> Edition, Palgrave Macmillan: Basingstoke  | <input checked="" type="checkbox"/> |
| Further        | Cottrell, S.(2017) <i>Critical Thinking Skills: Developing Effective Analysis and Argument</i> , Palgrave Study Guides, 3 <sup>rd</sup> Edition, Palgrave Macmillan: Basingstoke     | <input checked="" type="checkbox"/> |
| Further        | Davies, M. B. and Hughes, N. (2014) <i>Doing a Successful Research Project: Using Qualitative Or Quantitative Methods</i> . 2 <sup>nd</sup> Edition, Palgrave Macmillan: Basingstoke | <input checked="" type="checkbox"/> |
| Further        | Dawson, C.W. (2015) <i>Projects in Computing and Information Systems: a Student's Guide</i> , 3 <sup>rd</sup> Edition Pearson Higher Education                                       | <input type="checkbox"/>            |
| Further        | Denscombe, M (2015) <i>The Good Research Guide, 5<sup>th</sup> Edition</i> OU Press: Buckingham                                                                                      | <input checked="" type="checkbox"/> |
| Further        | Few, S (2012) <i>Show Me the Numbers: Designing Tables and Graphs to Enlighten</i> , Analytics Press: Burlingame.                                                                    | <input type="checkbox"/>            |

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|---------|-------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Further | Quinn, M. J. (2016) <i>Ethics for the Information Age: International Edition</i> , 7 <sup>th</sup> Edition, Pearson: NY | <input type="checkbox"/> |
| Further | Yin, R K, (2013) <i>Case Study Research: Design and Methods</i> , 5 <sup>th</sup> Edition, Sage: Beverly Hills.         | <input type="checkbox"/> |

