



MODULE SPECIFICATION

| Part 1: Information | | | |
|---------------------------|--|--------------------|-------------------------------------|
| Module Title | Engineering Project Management | | |
| Module Code | UFMF77-15-M | Level | Level 7 |
| For implementation from | 2021-22 | | |
| UWE Credit Rating | 15 | ECTS Credit Rating | 7.5 |
| Faculty | Faculty of Environment & Technology | Field | Engineering, Design and Mathematics |
| Department | FET Dept of Engineering Design & Mathematics | | |
| Module Type: | Standard | | |
| Pre-requisites | None | | |
| Excluded Combinations | None | | |
| Co-requisites | None | | |
| Module Entry Requirements | None | | |
| PSRB Requirements | None | | |

| Part 2: Description |
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| <p>Overview: Engineers typically spend most of their careers working in project teams. Managing projects is a critical skill for career development. To be effective they need to understand the tools and techniques available to them and the issues associated with meeting business and personnel needs. Much of this learning comes from engagement in and reflections of project operations.</p> <p>Educational Aims: See Learning Outcomes</p> <p>Outline Syllabus: See Learning Outcomes</p> <p>Teaching and Learning Methods: See Learning Outcomes</p> |

Part 3: Assessment

STUDENT AND ACADEMIC SERVICES

The assessment is designed to provide a structured introduction to the concepts and principles of project management.

At the end of the second teaching session students will be required to prepare a group presentation (controlled conditions assessment) examining a real-world project management scenario. For the group work, a transparent method is in place for identifying contribution. This peer assessed process is moderated and is used to re scale group mark for individual students.

The final element of assessment is an individual case study. Students are expected to demonstrate structured approach to a given project management case-study problem making use of the feedback obtained from the group presentation. The output will be a 1500 word report.

The resit report will be a rework of the original case study taking into account feedback from the 1st sit report.

| First Sit Components | Final Assessment | Element weighting | Description |
|----------------------------|------------------|-------------------|-----------------------------------|
| Presentation - Component A | ✓ | 25 % | Group presentation (15 mins) |
| Report - Component B | | 75 % | Individual report (1500 words) |
| Resit Components | Final Assessment | Element weighting | Description |
| Presentation - Component A | ✓ | 25 % | Individual presentation (15 mins) |
| Report - Component B | | 75 % | Individual report (1500 words) |

Part 4: Teaching and Learning Methods

| Learning Outcomes | On successful completion of this module students will achieve the following learning outcomes: | | | | | | | | | | | | | | | |
|--|---|--------------------------|--------------------------|--|-------------------------------------|--|---------------------------------------|--|-----|---|-----|---|-----|--|-----|--|
| | <table border="1"> <thead> <tr> <th>Module Learning Outcomes</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>Critically evaluate different methodologies for managing project activities and assess the impact of alternative modes of project design and management of project progress and outcomes</td> <td>MO1</td> </tr> <tr> <td>Analyse and interpret stakeholder requirements within a project development plan</td> <td>MO2</td> </tr> <tr> <td>Understand and apply the underlying concepts and principles that underpin project management methods</td> <td>MO3</td> </tr> <tr> <td>Assess and mitigate risk within a project development process</td> <td>MO4</td> </tr> <tr> <td>Identify current research themes and work relevant to the field</td> <td>MO5</td> </tr> <tr> <td>Demonstrate knowledge and understanding of the principle tools and techniques applied by professional project managers</td> <td>MO6</td> </tr> </tbody> </table> | Module Learning Outcomes | Reference | Critically evaluate different methodologies for managing project activities and assess the impact of alternative modes of project design and management of project progress and outcomes | MO1 | Analyse and interpret stakeholder requirements within a project development plan | MO2 | Understand and apply the underlying concepts and principles that underpin project management methods | MO3 | Assess and mitigate risk within a project development process | MO4 | Identify current research themes and work relevant to the field | MO5 | Demonstrate knowledge and understanding of the principle tools and techniques applied by professional project managers | MO6 | |
| Module Learning Outcomes | Reference | | | | | | | | | | | | | | | |
| Critically evaluate different methodologies for managing project activities and assess the impact of alternative modes of project design and management of project progress and outcomes | MO1 | | | | | | | | | | | | | | | |
| Analyse and interpret stakeholder requirements within a project development plan | MO2 | | | | | | | | | | | | | | | |
| Understand and apply the underlying concepts and principles that underpin project management methods | MO3 | | | | | | | | | | | | | | | |
| Assess and mitigate risk within a project development process | MO4 | | | | | | | | | | | | | | | |
| Identify current research themes and work relevant to the field | MO5 | | | | | | | | | | | | | | | |
| Demonstrate knowledge and understanding of the principle tools and techniques applied by professional project managers | MO6 | | | | | | | | | | | | | | | |
| Contact Hours | <table border="1"> <thead> <tr> <th colspan="2">Independent Study Hours:</th> </tr> </thead> <tbody> <tr> <td>Independent study/self-guided study</td> <td>114</td> </tr> <tr> <td>Total Independent Study Hours:</td> <td>114</td> </tr> </tbody> </table> | | Independent Study Hours: | | Independent study/self-guided study | 114 | Total Independent Study Hours: | 114 | | | | | | | | |
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| Independent study/self-guided study | 114 | | | | | | | | | | | | | | | |
| Total Independent Study Hours: | 114 | | | | | | | | | | | | | | | |

STUDENT AND ACADEMIC SERVICES

| | | |
|--------------|---|-----|
| | Scheduled Learning and Teaching Hours: | |
| | Face-to-face learning | 36 |
| | Total Scheduled Learning and Teaching Hours: | 36 |
| | Hours to be allocated | 150 |
| | Allocated Hours | 150 |
| Reading List | <p><i>The reading list for this module can be accessed via the following link:</i></p> <p>https://uwe.rl.talis.com/modules/ufmf77-15-m.html</p> | |

Part 5: Contributes Towards

This module contributes towards the following programmes of study: