

<b>Module code:</b> MOD003280	<b>Version:</b> 3 <b>Date Amended:</b> 12/Jun/2019
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<b>1. Module Title</b>
Project Management Techniques

<b>2a. Module Leader</b>
Olalekan Oshodi

<b>2b. School</b>
School of Engineering and the Built Environment

<b>2c. Faculty</b>
Faculty of Science and Engineering

<b>3a. Level</b>
7

<b>3b. Module Type</b>
Standard (fine graded)

<b>4a. Credits</b>
15

<b>4b. Study Hours</b>
150

<b>5. Restrictions</b>			
<b>Type</b>	<b>Module Code</b>	<b>Module Name</b>	<b>Condition</b>
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
<b>Courses to which this module is restricted:</b>	None		

## LEARNING, TEACHING AND ASSESSMENT INFORMATION

### 6a. Module Description

This module is applicational in nature and is designed to provide a systematic understanding of a number of key tools and techniques used in the management of projects, together with their application. The module will develop a systematic understanding of a range of operations management techniques that are applicable to projects, enabling students to critically evaluate the project needs and to select and apply appropriate techniques to address these. With the demand for continuous improvement, production systems such as lean and agile will be considered alongside a range of other work study and other performance improvement techniques. Students will develop a thorough understanding of the concepts of risk and risk management to identify and manage project risks throughout the project life cycle. The module will enable students to critically analyse and evaluate risks and determine their influence on the evolution, design, technology, management and financial aspects of a project. This framework provides the context for the application of risk management to projects and for students to develop their abilities to select and implement an effective risk management system and the appropriate specialist methods and techniques to effect the management of risk. The module aims to develop a systematic understanding of the quality management systems and methods used to manage the quality of projects, together with the skills to critically analyse quality situations in order to select and apply appropriate quality management solutions. Case studies, workshops and tutorials are used throughout the Module, reflecting its applicational nature and to enhance students' ability to discriminate, select and apply appropriate techniques to a wide variety of situations.

### 6b. Outline Content

• Operations management • Lean and other systems of production - Risk management - Quality management systems - Work study methods - Process flow and other production methods - Quantitative business tools - Performance improvement tools

### 6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

### 6d. Specialist Learning Resources

None

## 7. Learning Outcomes (threshold standards)

No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Demonstrate a systematic understanding of a range of project management tools and techniques.
2	Knowledge and Understanding	Critically analyse project situations and to evaluate, select and apply appropriate project management techniques.
3	Intellectual, practical, affective and transferrable skills	Demonstrate problem-solving skills to identify, define and critically analyse problems, then to synthesis a range of solutions, both recognised and innovative.
4	Intellectual, practical, affective and transferrable skills	Communicate effectively in written, oral and graphic forms.

8a. Module Occurrence to which this MDF Refers				
Year	Occurrence	Period	Location	Mode of Delivery
2025/6	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	12	1-2	Lecture 1 hr x 12 weeks
Other teacher managed learning	24	1-4	Workshop/Seminar 2 hrs x 12 weeks
Student managed learning	114	1-4	Private study
TOTAL:	150		

9. Assessment for the above Module Occurrence					
Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Coursework	1-4	100 (%)	Fine Grade	40 (%)
A portfolio of applicational tasks, solutions to problems and short written analyses totalling 3000 words, progressively submitted in a patchwork pattern.					

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7\*).

In addition, students are required to:

- (a) achieve the qualifying mark for each element of fine graded assessment as specified above
- (b) pass any pass/fail elements

[\* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]