

Liverpool John Moores University

Title: AEROSPACE PROJECT AND PROJECT MANAGEMENT
Status: Definitive
Code: **5515ENGHAL** (106678)
Version Start Date: 01-08-2016

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: Riverside College

Team	Leader
Russell English	Y

Academic Level: FHEQ5
Credit Value: 12
Total Delivered Hours: 24
Total Learning Hours: 120
Private Study: 96

Delivery Options

Course typically offered: Summer

Component	Contact Hours
Lecture	16
Tutorial	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Project brief and Gantt chart	15	
Essay	AS2	20 minute seminar presentation	20	
Essay	AS3	Submission of 5,000 word report /dissertation.	65	

Aims

To enhance research and problem solving skills, to develop intellectual and practical skills, to develop the ability to manage projects effectively, write technical reports and present seminars to the peer group.

Learning Outcomes

After completing the module the student should be able to:

- 1 apply fundamental project management skills to effectively plan, organise, coordinate and monitor simple programmes of work
- 2 demonstrate a necessary understanding of the body of knowledge relevant to the project
- 3 evaluate the outcomes of a project and formulate justifiable conclusions
- 4 present technical information clearly in oral and written form

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

CW	1	3			
CW	3				
CW	1	2	3	4	

Outline Syllabus

Introduction to project management. Project planning to achieve the defined objectives of cost, time and quality. Execution of the project plan, the role of the project manager in monitoring and controlling the project. Network techniques and the use of Gantt charts and milestones.

Technical report writing. Oral presentations. Research techniques and resources.

Typical aerospace projects will involve improving (or proposing an improvement to) a process, system or product with the aim(s) of enhancing product quality, reducing cycle time and costs (improving efficiency). Projects can be experimental ,analytical, design , computational or management exercises but must be on an aerospace manufacturing engineering theme. The project duration is typically around 12 weeks.

Learning Activities

Lectures, private study

Notes

The aerospace project is a single integrative supervised activity on a relevant aerospace engineering topic, which introduces the student to aspects of project management, technical report writing and develops oral presentational skills.