

Liverpool John Moores University

Title: AEROSPACE PROJECT AND PROJECT MANAGEMENT
Status: Definitive
Code: **5514ENGIOM** (107415)
Version Start Date: 01-08-2011

Owning School/Faculty: Engineering
Teaching School/Faculty: Isle of Man College

Team	Leader
Gary Colquhoun	Y

Academic Level: FHEQ5
Credit Value: 12.00
Total Delivered Hours: 24.00
Total Learning Hours: 120
Private Study: 96

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	16.000
Tutorial	8.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Project brief and Gantt chart	15.0	
Essay	AS2	20 minute seminar presentation	20.0	
Essay	AS3	Submission of 5,000 word report /dissertation.	65.0	

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

References

Course Material	Book
Author	Maylor H
Publishing Year	2003
Title	Project Management

Subtitle	
Edition	
Publisher	Pitman
ISBN	

Course Material	Book
Author	Davies, J.W.
Publishing Year	2001
Title	Communication skills: a guide for engineering and applied science students
Subtitle	
Edition	2nd ed
Publisher	Prentice Hall.
ISBN	

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.