

Liverpool John Moores University

Title: Advanced Engineering Management
Status: Definitive
Code: **6133ENG** (117644)
Version Start Date: 01-08-2018

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

Team	Leader
John Skiffington	Y

Academic Level: FHEQ6
Credit Value: 10
Total Delivered Hours: 43
Total Learning Hours: 100
Private Study: 57

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	40

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	Group Presentation	20	
Exam	AS2	Examination	80	3

Aims

An advanced course designed to introduce and expose the student to the key issues and challenges facing today's engineering managers.

Learning Outcomes

After completing the module the student should be able to:

- 1 Analyse the social, ethical and legal implications to management decisions.
- 2 Apply leadership techniques to situations in terms of achieving objectives.
- 3 Examine current strategic thinking in the innovation process to support decision making.
- 4 Apply financial management techniques to assist in the planning and control of an organisation.

Learning Outcomes of Assessments

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

Group presentation	1				
Examination	1	2	3	4	

Outline Syllabus

General management

Role of the manager; management styles; hierarchy of objectives; the decision making process; SWOT analysis.

Strategic management

Current strategic thinking contributing to innovative decision making and corporate success. Development of key objectives, evaluating alternative strategies and the strategic process.

Effects of globalization and issues in management of multinational organizations.

Change management

Managing an organisation's development and implementation of strategies when confronted with change.

Leadership

Leadership theories and styles; Emerging trends in leadership; Competencies for effective leadership in organisations. Motivation, communication, innovation and creativity.

Social, ethical and legal responsibilities

Awareness of UK and European law. Negotiation and business ethics. Corporate criminal liability. Corporate social responsibility & stakeholder theory. Human resource management.

Financial Management

Techniques of accounting used by managers to plan and control their organisations. Capital budgets e.g. payback and discounted cash flow (DCF).

Quality Management

Principles; TQM and continuous improvement philosophies; measures of performance; and review techniques available.

Learning Activities

Lectures, seminars and case studies.

Notes

This is to be a lecture driven module with use of appropriate videos and case studies.