UNIVERSITY of BRADFORD

Module Descriptor

Financial and Project Management

Module Code:	ENB5003-B
Academic Year:	2018-19
Credit Rating:	20
School:	Department of Mechanical and Energy Systems Engineering
Subject Area:	Engineering Business
FHEQ Level:	FHEQ Level 5
Module Leader:	Dr Andrew Carruthers

Additional Tutors:

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	48
Tutorials	24
Directed Study	125
Examinations DO NOT USE	3

Availability Periods

Occurrence	Location/Period
NLA	Namal College / Academic Year (Sept - May)
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims

Enable students to acquire a sound understanding of the financial and accounting principles, and apply these principles for decision making and control purposes in a commercial business environment.

Provide students with an appreciation of the concepts and techniques of project management with particular reference to their use in an engineering and technological organisational environment.

Outline Syllabus

Financial Management: The nature and role of accounting information in a modern commercial environment, financial model of a business organisation, comparison of financial and management accounting, types of company, sources of finance, the working capital cycle. Introduction to company accounts and the interpretation of a set of company accounts using key financial ratios. Capital investment appraisal net present value and internal rate of return. Breakeven analysis and cost behaviour. Absorption costing and marginal costing; cost allocation and apportionment; Budgetary control and cash-flow forecasting; Standard costing and variance analysis.

Project Management: Project selection and specification, The project life cycle, The role of the project Manager, Project organisation and responsibilities, Matrix organisations, Managing people, materials and machines, Co-ordination and control, Scheduling and sequencing, Critical Path Analysis, PERT, Effective and ineffective project teams, Cost estimation and control, Work breakdown structures, Case studies of successful and unsuccessful projects in Engineering and Technological orientated organisations and analysis of the management lessons

Module Learning Outcomes

On successful completion of this module, students will be able to...

1. evaluate the role of financial information in organisations and the operation, principles and decision-making purposes of commonly used financial and management accounting techniques. In addition, the module will provide a critical review of the key principles of project management and their application in an engineering environment.

2. develop specialist skills associated with managing operations in both production and service organisations and making appropriate management choices in dealing with these problems.

3. strengthen your skills in systematic problem solving and communication

Learning, Teaching and Assessment Strategy

Concepts, theories and principles explored in formal lectures supported by video presentation and case studies, and practiced in tutorials. Practical, cognitive and personal skills developed in problem solving exercises, tackled by working in small groups supported by members of academic staff. The assessments will examine the wider learning outcomes expressed in the descriptor.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Examination - open book or seen paper	Financial Management exam held in Semester 1	1.5 hours	50%	No
Summative	Examination - closed book	Project Management exam held in Semester 2	1.5 hours	50%	Yes
Referral	Examination - closed book	Supplementary	2.5 hours	100%	No

Legacy Code (if applicable)

ENG2304L

Reading List

To view Reading List, please go to **rebus:list**.