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Module Code: 3AAD0020

Title of Module

Full Title: Engineering Management and Finance

Short Title: Engineering Mgmt& Fin

MODULE

3AAD0020 (A 05/6)

Engineering Manageme...

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Version: 1

Credit Points: 15

Level / ECTS Level: 3

First Offered: 1/9/2004 00-00-00

6. Home Department:

AAD

7. Departments(s) contributing to teaching:

9. Module Aims:

* further their knowledge and understanding of the factors which influence human resource and finance management

* select appropriate techniques for the identification of human and finance resources

10a. Learning Outcomes: Knowledge and Understanding:

* discuss the development of management theories and applications

* compare alternative organisational structures and their applications

* describe and discuss the factors effecting finance resource management within company examples set, both from the study of company examples set, and from the study of other companies

10b. Learning Outcomes: Skills and Attributes:

* apply appropriate management process techniques to decision making and control

* apply human resource management planning techniques

* select and apply appropriate financial techniques to accounting management examples described

11. Module Content

11a Module Content:

This course will provide the student with an understanding of the financial tools and techniques applied in manufacturing industries. The application of financial data is applied through case studies to develop an understanding of short and long term planning and decision making.

The course examines the development of industrial management theory and practice. The course provides an understanding of the role and responsibilities of managers in the organisation and motivation of human resource in organisations.

11b. Further details on how the learning outcomes of the module will be achieved:

1. Financial Framework of company accounts

The relationship between day to day transactions and the formal published accounts of companies

The relationship between the formal sets of published financial data.

Analysis of company accounts

Interfirm comparison

2. Management information for decision making both in the short and long- term

- margin and contribution

- profit/volume analysis

- break even analysis

- make or buy decisions

- payback analysis

- net present value

- internal rate of return

3. Issues in Cost Accounting

Distinction between financial and cost management accounting

Cost classification - labour, materials and overheads. Overhead recovery.

Approaches to costing- absorption, marginal and standard costing

Budgetary control.

Budget preparation in a manufacturing context.

Cost variance analysis

Performance measurement.

4. Management Process

Strategic Planning

Planning

Decision Making

Control Systems

5. Organisational Behaviour

Management Theorists

Scientific Management

Human Relations

Management Practice

Leadership & Motivation

Management and Organisation of Change

12. Language of Delivery:

English

13. Language of Assessment:

English

14. Assessment Details (Academic):

Coursework: 100

Exam: 0

Other: Typically, assessment will consist of-

- phase tests
- assignment
- presentation

An aggregate pass must be attained

Assessment Notes:

15. Locations(s):

UH HATFIELD

16. Pre and Co-Requisite:

Pre-Requisite

Co-Req

Prohibited

17. Subject Board of Examiner/s:

BUS/MGMT/QUAL COURSES (AADE)

18. Comments

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