

Financial Aspects of Project Engineering and Contracting (CEGE0016)

Description

Financial Aspects of Project Engineering and Contracting is aimed at those students who will become the project managers and industry leaders of tomorrow. Since most engineers will be involved with engineering projects either as contractors or purchasers, it provides an insight into the structure, management and financial management techniques used in the engineering industry, and deals with the financial aspects of engineering companies as a whole, as well as those of individual projects.

On successful completion of the course a student will be able to:

- understand the importance of finance and economics in engineering projects;
- structure of companies and stock market indicators
- interpret a company's performance and status from its published financial accounts; balance sheet, profit and loss account and cash flow statement;
- prepare a project S-curve, budget and cash flow forecast;
- make allowance for interest payments;
- undertake simple project planning using Gantt Charts, Critical Path Analysis and associated techniques;
- understand the Conditions of Contract and their applications;
- understand how to evaluate projects using payback and NPV techniques;
- carry out a basic project risk analysis;
- understand liabilities for health and safety and environmental protection;
- know something of the techniques used for dispute resolution.

Key information

Year	2019/20
Credit value	15 (150 study hours)
Delivery	UG L6, Campus-based
Reading List	View on UCL website
Tutor	Dr Tristan Robinson
Term	Term 1
Timetable	View on UCL website

Assessment

Find out more

For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk

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Year	2019/20
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