



12121800 Engineering Contracts

Course Code	12121800	Course Name	Engineering Contracts
Course Type	Engineering	Prerequisite	N/A
Instructor	TBA	Other Teachers	TBA
Total Hours	48 Teaching Hours		+ Self Study Hours

Learning Objectives

- Identify the benefits and limitations of contemporary engineering contracts.
- Outline the steps involved in drafting, negotiating and working with engineering contracts.
- Understand the risks associated with the different types of engineering contracts and methods employed to reduce these risks which can impact on delivery.
- Describe the key law and policies affecting the drafting and implementation of engineering contracts as well as regulatory bodies which set industry standards through standard form contracts.
- Identify the key elements of an engineering contract which will enable you to appropriately draft, structure and finalise a contract in accordance with industry standards and all relevant laws or policies.



Course Description

The following course provides students with an understanding of the benefits and limitations of engineering contracts. Students are taught the necessary skills to draft, negotiation and work with different types of engineering contracts. By understanding the various risks associated with engineering contracts students are able to identify ways to reduce these risks so that they do not adversely impact on contract delivery. The course will focus on finding practical working solutions for engineers and managers who must work in accordance with legislation, policies and standards set by regulatory bodies. Students from different engineering disciplines including electrical, civil, chemical and electronic engineering will be gaining a better insight into how contracts can be drafted to ensure competence and practical delivery. In drafting and preparing engineering contracts students will understand the necessity and crucial importance of adhering to laws and industry standards. Case studies and factual scenarios are applied to assist student learning throughout the course,

Summary of Course delivery

This course has a total of 48 teaching hours and includes a compulsory field trip.

The table below summarises the delivery method for this course.

Lectures	Guest Speakers	Seminars	Group Activities	Field Trip(s)
√	√		√	√
Tutorials	Projects	Pitch(es)	Presentations	Others
√			√	

Course Schedule (TBC)

Topics	Activities
Introduction of the course and project briefing	Lecture; Tutorial
Planning and making contracts	Lecture; Tutorial



Structuring contracts	Lecture; Tutorial
Pricing and payments	Lecture; Tutorial
Terms about risk and delivery	Lecture; Tutorial
Progress in engineering contracts	Lecture; Tutorial
Quality and fitness for purpose	Lecture; Tutorial
Liabilities, exclusions and indemnities	Lecture; Tutorial
Ownership of goods and intellectual property rights	Lecture; Tutorial
Agreements involving multiple parties	Lecture; Tutorial
Relevant legislation and industry standards	Lecture; Tutorial; Quiz
Negotiating legal and financial matters	Lecture; Tutorial
Designing and structuring an engineering contract	Lecture; Tutorial
Different engineering institutions and standard contracts	Lecture; Tutorial
Common issues in contract formation	Lecture; Tutorial; Group project presentation
Ethical practice	Lecture; Tutorial; Group report submission

Assessments

Class participation	10%
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Quiz	20%
Group project presentation	10%
Group project report	20%
Final exam	40%

Tutorial participation (10%)

Active engagement in class activities and discussions are encouraged to consolidate what has been taught in lectures.

Quiz (20%)

To be completed in the lecture during the specified dates. Students are required to answer multiple choice and short answer questions to demonstrate that they have understood the course content.

Group project (20%) and class presentation (10%)

Details of the sustainable design project will be announced in class. Students will be allocated into groups to complete a group project. They are required to work collaboratively with each other to complete this task and present it to the class through a powerpoint presentation.

A sustainable design project is to be developed, with:

- 8 pages maximum in A4,
- 12 point Times New Roman font
- Single line spacing
- Late submission will attract a penalty of 10% of the total weighting of the assessment task. A 10% deduction applies for EACH day the assessment is late and the assessment will not be accepted after 5 days (including weekends). Extensions will only be granted upon the basis that there is reasonable medical evidence of illness or any other extreme circumstances. Under no circumstances will extensions be granted for any other commitments. A request for an extension must be formally submitted to the lecturer in writing prior to the due date, in accordance with the assessment



policies. Medical certificates or other evidence of extreme misfortune must be submitted through a special consideration form and should include reasons detailing the need for an extension.

Final examination (individual) 40%

A 2-hour final exam will be conducted during the examination period. All students are expected to be present for this exam.

Reference Books

Robert Ribeiro, Engineering Contracts, ISBN: 0750624981