



浙江大學

**ENGG515**

**Engineering Contracts**

# ENGG515

## Engineering Contracts

### Instructor contact details

Lecturer-in-charge: TBA

Office location: to be announced

Email: TBA or send general enquiries to [wlwyxy\\_29@zju.edu.cn](mailto:wlwyxy_29@zju.edu.cn)

Consultation Times: to be announced, and by appointment

### Teaching Times and Locations

The Time and Location: TBA

### Units of Credit

The course is worth 6 units of credit, with total of 40 teaching hours.

### Course Description

This course will be teaching students the skills required in drafting, negotiating and working with commercial and engineering contracts. It aims on combining the traditional legal perspective of the law of contract with the practical needs of the engineer or manager who is seeking for an effective solution to their problem. Electrical, chemical, mechanical, electronic and civil engineering cases are applied to help students gain better insights in practical application. Additionally, students will learn to draft and prepare an engineering contract based on relevant statutes and standards set by engineering institutions through giving reference to their standard forms of contract. Case-studies of genuine and practical origin from the author's wide-ranging experience in industrial practice will be used to supplement students' learning throughout the course.

### Prerequisite

N/A.

### Learning Resources

Robert Ribeiro, Engineering Contracts, ISBN: 0750624981

### Learning Objectives

By the end of this course students should be able to:

- Understand the process of drafting, negotiating and working with commercial and engineering contracts.
- Able to appreciate the risks involved in delivery of contract and other factors which can affect delivery.
- Outline relevant statutes and other legislation currently in force as well as a list of the engineering institutions and their standard forms of contract.
- Draft and prepare a competent engineering contract with the appropriate structures

### Course Delivery

The course will be taught in English through lectures, tutorials, group activities, student projects and presentations. In addition to these, there will also be guest speakers and optional field trips available for students who would like to enhance their learning experience. The course will be delivered within 16 sessions, with each session totaling 2.5 hours-inclusive of both a lecture and tutorial. These sessions will be running during the weekdays, Monday to Friday. The course will be at total 40 hours.

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; <b>Quiz</b>
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; <b>Group project presentation</b>
Ethical practice	Lecture; Tutorial; <b>Group report submission</b>

**Assessments:**

Class participation	10%	Everyday in Class
Quiz	20%	12th July 2019
Group project presentation	10%	18th July 2019
Group project report	20%	18th July 2019
Final exam	40%	19th July 2019

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 that the university may place under consideration. 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 university's 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 university's examination period. All students are expected to be present for this exam. The details of final exam will be announced in class.

#### **Grade Descriptors:**

HD	High Distinction	85-100
D	Distinction	75-84
Cr	Credit	65-74
P	Pass	50-64
F	Fail	0-49

#### **High Distinction 85-100**

Treatment of material evidences an advanced synthesis of ideas

Demonstration of initiative, complex understanding and analysis

Work is well-written and stylistically sophisticated, including appropriate referencing, clarity, and some creativity where appropriate

All criteria addressed to a high level

**Distinction 75-84**

Treatment of material evidences an advanced understanding of ideas

Demonstration of initiative, complex understanding and analysis

Work is well-written and stylistically strong

All criteria addressed strongly

**Credit 65-74**

Treatment of material displays a good understanding of ideas

Work is well-written and stylistically sound, with a minimum of syntactical errors

All criteria addressed clearly

**Pass 50-64**

Treatment of material indicates a satisfactory understanding of ideas

Work is adequately written, with some syntactical errors

Most criteria addressed adequately

**Fail 0-49**

Treatment of ideas indicates an inadequate understanding of ideas

Written style inappropriate to task; major problems with expression

Most criteria not clearly or adequately addressed

**Academic Integrity**

Students are expected to uphold the university's academic honesty principles which are an integral part of the university's core values and principles. If a student fails to observe the acceptable standards of academic honesty, they could attract penalties and even disqualification from the course in more serious circumstances. Students are responsible for knowing and observing accepted principles of research, writing and any other task which they are required to complete.

Academic dishonesty or cheating includes acts of plagiarism, misrepresentation, fabrication, failure to reference materials used properly and forgery. These may include, but are not limited to: claiming the work of others as your own, deliberately applying false and inaccurate information, copying the work of others in part or whole, allowing others in the course to copy your work in part or whole, failing to appropriately acknowledge the work of other scholars/authors through acceptable referencing standards, purchasing papers or writing papers for other students and submitting the same paper twice for the same subject.

This Academic Integrity policy applies to all students of the Zhejiang University in all programmes of study, including non-graduating students. It is to reinforce the University's commitment to maintain integrity and honesty in all academic activities of the University community.

## **Policy**

- The foundation of good academic work is honesty. Maintaining academic integrity upholds the standards of the University.
- The responsibility for maintaining integrity in all the activities of the academic community lies with the students as well as the faculty and the University. Everyone in this community must work together to ensure that the values of truth, trust and justice are upheld.
- Academic dishonesty affects the University's reputation and devalues the degrees offered.
- The University will impose serious penalties on students who are found to have violated this Policy. The following penalties may be imposed:
  - o Expulsion;
  - o Suspension;
  - o Zero mark/fail grade;
  - o Marking down;
  - o Re-doing/re-submitting of assignments or reports; and
  - o Verbal or written warning.