



School of Civil and Environmental Engineering

Term 3, 2020

CVEN9723

DESIGN OF CONSTRUCTION OPERATIONS

COURSE DETAILS

Units of Credit	6
Contact hours	4 hours per week
Class	Wednesday, 14:00 - 18:00 (Weeks 1-5, 7-10) Online Teaching
Course Coordinator and Lecturer	Dr X Shen email: x.shen@unsw.edu.au office: Civil Engineering 212 (K-H20-212) phone: 02 9385 0483

COURSE COMMUNICATIONS

nominated lecture/workshop time slots. Using the Moodle discussion tool allows all students to see replies to any questions asked, and allows all students to join the discussions. Also use the Moodle discussion tool to create discussion topics with others in the class.

INFORMATION ABOUT THE COURSE

The course is designed to extend your knowledge on engineering design and planning of construction operations. It covers fundamental construction methods and design practices for a variety of construction processes, including heavy civil construction, building construction and tunnel and utility pipeline construction. Examples will be given to guide the students in planning and directing construction operations.

EXCLUDED COURSE

Students should not undertake the course if they have completed the equivalent undergraduate course before:

- ◁ CVEN4102 . Operations and Projects

HANDBOOK DESCRIPTION

See link to virtual handbook:

<http://www.handbook.unsw.edu.au/postgraduate/courses/2020/CVEN9723.html>

OBJECTIVES

The objectives of this course are to:

- ◁ Understand a variety of construction methods and processes;
- ◁ Identify the key factors adopted in the design of permanent and temporary structures;

- < Work independently for individual assignments;
- < Investigate the state-

is not included. The class work is worth 50% of the Final Mark if included. A mark of at least 40% in the final examination is required before the class work (hand-in quizzes and group tasks) is included in the final mark. The formal exam scripts will not be returned but you are permitted to view the marked script.

Students who perform poorly in the midterm exam are recommended to discuss progress with the lecturer during the term.

RELEVANT RESOURCES

- Textbook details, including title, author(s), publisher, edition, year of publication, ISBN and availability (in bookshop, UNSW Library, Open Reserve).
- List of required and suggested additional readings and availability (in bookshop, UNSW Library, Open Reserve).
- Additional materials provided on Moodle.
- Recommended Internet sites.

DATES TO NOTE

Refer to MyUNSW for Important Dates available at:

<https://student.unsw.edu.au/dates>

PLAGIARISM

Beware! An assignment that includes plagiarised material will receive a 0% Fail, and students who plagiarise may fail the course. Students who plagiarise are also liable to disciplinary action, including exclusion from enrolment.

and where you found them (giving the complete reference details, including page number(s)). The Learning Centre provides further information on what constitutes Plagiarism at:

<https://student.unsw.edu.au/plagiarism>

ACADEMIC ADVICE

For information about:

- Notes on assessments and plagiarism;
- Special Considerations: student.unsw.edu.au/special-consideration;
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