

School of Civil and Environmental Term: 3: 2020 ~ ~

CVEN9856 WATER TREATMENT

COURSE DETAILS

Units of Credit

Contact hours 4 hours per week

Class Mon 10:00AM - 12:00PM

6

Course Coordinator Dr. A. Ninh Pham

Lecturer

Email: anninh.pham@unsw.edu.au

Office: Room 108 (H22 Vallentine Annexe)

Phone: 9385 5102

INFORMATION ABOUT THE COURSE

The course discusses the concepts involved in design of facilities for the treatment of various types of raw water to meet specified water quality including chemical selection, intake and screening, coagulation, flocculation, clarification, filtration, and disinfection technology. Advanced treatment processes such as membrane processes, adsorption and ion exchange are also introduced.

HANDBOOK DESCRIPTION

See link to virtual handbook -

https://www.handbook.unsw.edu.au/postgraduate/courses/2020/CVEN9856

OBJECTIVES

To provide a sound understanding of the concepts and design principles in both conventional and developing methods of water treatment.

TEACHING STRATEGIES

The teaching strategies that will be used in this course are traditional lecture teaching combined with online workshop and discussion, and independent study.

COURSE PROGRAM

TERM 3 2020

Date

ASSESSMENT

The Final Examination is worth 50% of the Final Mark if class work is included and 100% if class work is not included. The class work is worth 50% of the Final Mark if included. The formal exam scripts will not be returned but you are permitted to view the marked script. Students who perform poorly in the quizzes and assignment are strongly recommended to discuss progress with the lecturers during the term.