



Course

Numerical Methods in Geotechnical Engineering

CVEN9514 | 6 Units of Credit

Overview

Introduction to finite element methods. Mathematical formulation of finite elements. Isotropic elements. Linear and nonlinear analysis. Steady state and transient field problems – heat conduction, seepage etc., coupled analysis, consolidation analysis, solute transport problems, special topics: infinite elements, double porous media.

Faculty

Faculty of Engineering

School

School of Civil and Environmental Engineering

Study Level

Postgraduate

Indicative contact hours

3

Timetable

[Visit timetable website for details](#)

Course Outline

To access course outline, please visit:

[CVEN9514 Course Outline](#)

Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

[Pre-2019 Handbook Editions](#)

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Authorised by Deputy Vice-Chancellor (Academic)

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