

# CIVE 584. MECHANICS OF GROUNDWATER FLOW.

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Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

This course is not offered this catalogue year.

## Description

Origins and types of groundwater; Darcy's law; hydraulic anisotropy; conservation laws; fundamental equations of porous media flow; Laplace's and Poisson's equations; analytical solution of potential flow problems; determination of hydraulic conductivity; flow in unconfined and confined aquifers; seepage modelling; unsaturated flow; transient flows in porous media; introduction to computational methods.

- (3-1.5-4.5)
- Prerequisite: CIVE 311 or Permission of Instructor.

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