

CIVE 428. WATER RESOURCES AND HYDRAULIC ENGINEERING.

Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Application of continuity, energy and momentum equations to open channel flow; design of channels considering uniform flow and flow resistance, non-uniform flow and longitudinal profiles; design of channel controls and transitions; unsteady flow and flood routing; river ice engineering; sediment transport and river morphology; sustainability in river engineering; industry standard numerical models.

- (3-3-3)
- Prerequisite: CIVE 327

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