

CIVE 507. WIND ENGINEERING.

Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

This course is not offered this catalogue year.

Description

Davenport wind loading chain, wind climate, atmospheric boundary layer and turbulence, wind risk and statistics, bluff body aerodynamics, wind loads and structural responses, aeroelastic effects, building code approaches to estimate design wind loads, wind energy and sustainability, and introduction to wind tunnel tests and computational fluid dynamics.

- Prerequisite(s): CIVE 318 and CIVE 327, or permission of the instructor.

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