

CIVE 521. NANOMATERIALS AND THE AQUATIC ENVIRONMENT.

Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

Terms offered: Winter 2026

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Description

Environmental impacts and applications of nanomaterials. Topics: physicochemical characterization of nanoparticles in aquatic media, colloid chemistry for understanding nanoparticle aggregation and mobility in the environment, mechanisms of reactive oxygen species (ROS) production by nanomaterials, nanomaterials for environmental remediation and water treatment, methodologies for assessing nanoparticle toxicity, novel research developments.

- 3-0-6
- Offered each year, one year by the Department of Chemical Engineering and one year by the Department of Civil Engineering
- Prerequisite(s): CHEE 315 or CIVE 225 or MIME 356 or equivalent; CHEE 310 or CIVE 430 or CHEM 233 or equivalent; or permission of instructor.
- Restriction: Not open to students who have taken CHEE 521.

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