

# CIVE 621. SUSTAINABLE DESIGN OF MUNICIPAL SYSTEMS.

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Credits: 4

Offered by: Civil Engineering (Graduate Studies)

This course is not offered this catalogue year.

## Description

Design of water-related municipal services. Estimation of water demand and wastewater production rates, conception of sources water intake, construction and maintenance of water distribution and wastewater / stormwater collection systems, selection of pumps and pipe materials, conception of pumping stations, planning of storage, and optimization of network. Emphasis on the theory and applications of life cycle analysis and of public acceptability specific to municipal system design.

- Prerequisite: SEAD 520
- Restriction :Not open to students who are taking or who have taken CIVE 421.

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