

# CIVE 555. ENVIRONMENTAL DATA ANALYSIS.

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Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

Terms offered: Winter 2026

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## Description

Application of statistical principles to design of measurement systems and sampling programs. Introduction to experimental design. Graphical data analysis. Description of uncertainty. Hypothesis tests. Model parameter estimation methods: linear and nonlinear regression methods. Trend analysis. Statistical analysis of censored data. Statistics of extremes.

- (3-0-6)
- Prerequisite (Undergraduate): CIVE 302 or permission of instructor

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