

# C E 456: Civil Engineering Design II

Final course in capstone design sequence. Group experience in the design of a significant civil engineering project; data collection and quantitative analysis of economic and safety factors; qualitative evaluation based on reliability, aesthetics, ethics, social/environmental impact. Formal presentation and evaluation of projects to a jury of practicing professionals and electronic submission of a formal report. The taking of the National Fundamentals of Engineering (FE) examination is required for a passing grade.

3 Credits

### Prerequisites

- <u>C E 455: Civil Engineering Design I</u> \$target.descriptions.MinimumGrade\$
- Pre-Requisite: 24 Earned Hours

## Instruction Type(s)

Lecture: Lecture for C E 456

## **Subject Areas**

<u>Civil Engineering, General</u>

#### **Related Areas**

- <u>Civil Engineering, Other</u>
- <u>Geotechnical and Geoenvironmental Engineering</u>
- <u>Structural Engineering</u>
- Transportation and Highway Engineering
- Water Resources Engineering

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