

CM 4230: Heavy Materials & Temporary Structures

3 Credit Hours

Prerequisite: CM 3170

Origin, classification, and physical properties of soil as used in engineering and construction applications, together with loads and stresses of soil on, and the more common types of engineering structures. To include an introduction of field sampling and testing for earthwork construction.

CM 4400: Construction Management Directed Study

3 Credit Hours

Prerequisite: CM 2000 and CM 3000

This course is an independent study that explores the issues and approaches for developing practical research related to Construction Management. The project involves literature review, data collection, data analysis, and reporting through fundamental, applied, or prototype development studies. Hands-on research in this course will explore the problems in the construction industry and suggest practical solutions.

CM 4480: Design/Build MEP Systems

3 Credit Hours

Prerequisite: CM 3280

A study of the design-build delivery method applied to construction projects. The study starts with details of the process and how it differs from other project delivery methods. Topics will include building MEP systems (air-conditioning, heating, ventilation, plumbing, electrical power, electrical lighting and building control) and how they are planned and delivered in a design-build project. The analysis of current construction drawings will be integrated into the course.

CM 4490: Construction Management Special Topics

3 Credit Hours

Prerequisite: CM 2000 and CM 3000

This course is a study of selected topics in Construction Management of special interest to faculty and students.