



**School of Applied Engineering and Technology
Department of Engineering Technology
Construction Engineering Technology Program
Course Syllabi**

Course Number and Name: CET 322, Construction Codes and Regulations

Credits and Contact Hours: Credits - 3; Contact Hours – 1.5 Hour Lectures, twice a week

Course Coordinator's Name: John A. Wiggins, P.E., Senior University Lecturer & Program Coordinator

Text Book and Supplemental Materials:

New Jersey Municipal Land Use Law, NJSA 40:55D-1 et seq., 2022

New Jersey Uniform Construction Code, NJAC 5:23-1 et seq.

International Building Code, 2021, International Code Council, Falls Church, Va.

New Jersey Department of Transportation Standard Specifications - Road and Bridge Construction, 2019

New Jersey Residential Site Improvement Standards Act (RSIS), NJAC 5:21-1 et seq.

Specific Course Information

a. Brief Description of the content of the course:

An introduction to the New Jersey Uniform Construction Code, the BOCA National Building Code, NJ DOT Standard Specifications and the CSI specification format. A code analysis of a typical construction project is undertaken

b. Prerequisites or Co-requisites: None

c. Course Status: Required Course

Specific Goals for the Course

a. Specific Outcomes of Instruction

By the end of the course students should be able to:

1. Understand the New Jersey Municipal Land Use Law and how it applies to the construction project.
2. Understand how the Residential Site Improvement Standards apply to the construction project.
3. Understand the requirements of the New Jersey Uniform Construction Code and how they apply to the construction project.
4. Understand the general requirements of the International Building Code how they apply to the construction project.
5. Understand how all the above interrelate in the construction project.

b. Relation to Student Outcomes

Program Criteria a. utilization of techniques that are appropriate to administer and evaluate construction contracts, documents, and codes;

Program Criteria e. production and utilization of documents related to design, construction, and operations;



Program Criteria g. selection of appropriate construction materials and practices; application of appropriate principles of construction management, law, and ethics; and

Brief list of topics covered

Overview of the Development Process in New Jersey, The Master Plan, Planning Board, Zoning Boards, Subdivision and Site Plan Control; The uniform Construction Code including administration and enforcement, Sub-codes and plan review and licensure; The International Building code and plan review.