



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

Course Number and Name: CET 421, Construction Contracts

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: Legal Aspects of Architecture, Engineering and the Construction Process, Sweet, J. and Schneier, M., 9th edition, 2013, Cengage Learning, ISBN 978-1-111-57871-8

Supplemental Materials: Standard Specifications for Road and Bridge Construction, New Jersey Department of Transportation, 2019; "AIA 201A General Conditions for Construction", American Institute of Architects, 2007.

Specific Course Information

a. Brief Description of the content of the course

Legal aspects of the various types of construction contracts and specifications. Scope, format, and use of various types of contracts such as owner-contractor and contractor-sub-contractor.

b. Prerequisites or Co-requisites: None

c. Course Status: Required

Specific Goals for the Course

a. Specific Outcomes of Instruction

Upon completion of the course, each student will be able to:

1. Read, understand and apply a construction contract and contract documents.
2. Understand, evaluate and write a claim for a change order.
3. Understand the process of dispute resolution.
4. Understand the concepts of liability in its various forms (personal, design, etc.)
5. Understand the process, role and importance of professional ethics and licensure.

b. Relation to Student Outcomes

Student Outcome (3) an ability to apply written, oral, and graphical communication in broadly defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;

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



Program Criteria b. estimation of costs, estimation of quantities, and evaluation of materials for construction projects;

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

Program Criteria f. performance of economic analyses and cost estimates related to design, construction, and maintenance of systems associated with construction engineering;

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

Program Criteria h. application of appropriate principles of construction management, law, and ethics;

Brief list of topics covered

Business Law, Contract Law, Torts. Property Law (real and intellectual), public contracts, Contract Interpretation, Change Orders, Payment Issues, Changed conditions, Bonding, and Dispute resolution.