

Prefix and Course Number: CET 4570

CIP Code: 15.0201

METROPOLITAN STATE COLLEGE OF DENVER  
Office of Academic Affairs

REGULAR COURSE SYLLABUS

School of: Professional Studies

Department: Engineering Technology

Semester(s) Offered: Fall/Spring

Prefix & Course Number: CET 4570

Crosslisted With\*: None

Course Title: ENGINEERING LAW

Credit Hours: 3 (3+0)

Contact Hours: Lecture 45 Lab 0 Internship 0 Practicum 0

Schedule Type(s): J Grading Mode(s): L

Repeat\* (Variable topics): None

\*(Pertinent only if the course can be repeated; enter maximum number of hours that can be earned by taking this course.)

Restrictions (Variable Topics Course): None

Prerequisite(s): CET 3120 or permission of instructor

Corequisite(s): None

Prerequisite(s) or Corequisite(s): None

Banner Enforced:

Prerequisite(s): CET 3120 or permission of instructor

Corequisite(s): None

Prerequisite(s) or Corequisite(s): None

Catalog Course Description:

This course provides the student with a basic understanding of contract laws and regulations, laws that govern the execution of the work being performed under the contract. laws that relate to the settling of differences and disputes. and licensing laws.

Required Reading and Other Materials will be equivalent to (Title, Author, Publisher, Copyright Date):

Contracts and the Legal Environment for Engineers and Architects, Joseph T. Bockrath, McGraw Hill, 6th Edition, or equivalent.



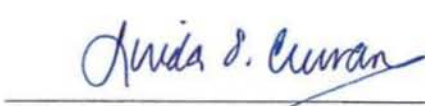
Department Chair

10 Sept 07  
Date



Dean

9/11/07  
Date



Associate Vice President for Academic Affairs

9/13/07  
Date

\*If crosslisted, attach completed Course Crosslisting Agreement Form

Prefix and Course Number: CET 4570

**Specific (Measurable) Student Behavioral Learning Objectives:**

Upon completion of this course the student should be able to:

1. Examine contract law - those laws and regulations that affect the making of contracts, both public and private.
2. Categorize laws that govern the execution of the work being performed under the contract - this includes conformance to the conditions of the various permits, regulations, ordinances and other requirements of the many jurisdictional agencies that are frequently involved.
3. Compare laws that relate to the settling of differences and disputes during the performance of the contract.
4. Relate laws that govern business practices as well as personal qualifications standards of the various people and trades involved in the construction process.

**Detailed Outline of Course Content (Major Topics and Subtopics) or Outline of Field Experience/Internship (experience, responsibilities and supervision):**

- I. Introduction to Organization Issues
  - A. Overview of the construction process
  - B. Types of construction contracts
  - C. Types of delivery systems
- II. Contracts as Enforceable Legal Documents that Determine Rights and Liabilities
  - A. Fundamentals of contract law
  - B. Rules of contract interpretation
- III. Assignment of Risk in Construction Projects
  - A. Standard contract forms
  - B. Key contract provisions
    1. "Changes" clause
    2. "Differing Site Conditions" clause
    3. "Site Investigation" disclaimers
- IV. Public Works Contracts
  - A. State
  - B. Federal
  - C. Bid protest procedures
- V. The Competitive Bid Process
  - A. Legal issues affecting bidding
  - B. Bid mistakes
- VI. The Contractor Subcontractor Relationship
  - A. Subcontractor rights and obligations
  - B. Evaluating the standard subcontract
- VII. The Role of the Architect/Engineer in Construction
  - A. Duties and responsibilities of the architect
  - B. Preparation of plans and specifications
- VIII. Problems that Arise During Construction
  - A. Scheduling techniques
  - B. Construction delays
  - C. Dealing with defective construction
- IX. Understanding Construction Damages
  - A. Basic principles and theories of recovery
  - B. Elements of a damages claim

Prefix and Course Number: CET 4570

- X. Securing Protection Against Losses
  - A. Bonds and sureties
  - B. Insurance
- XI. Mechanic's Liens
- XII. Mechanisms for Resolving Disputes
  - A. Arbitration
  - B. Litigation
  - C. Negotiation/ADR

**Evaluation of Student Performance:**

1. Mid-term written examination
2. Class participation
3. Written paper
4. Final Exam