



CEEN 4812 - Construction Management

Fall 2026 Syllabus, Section 01, CRN 40683,

Credit hours: 3

Instructor

Anwarul Islam

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Public Instructor Information

Instructor: Dr. Anwarul Islam, P.E.

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Course Description

4812. Construction Management. Fundamentals of construction management: contracts, bonding, estimating, organization, finance; cost and productivity of equipment, material, and labor; and project planning and scheduling. Prereq.: CEEN 3717 or CEEN 4881. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Construction Project Management	Frederick Gould and Nancy Joyce	9780137467204

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Wed	8/26	Syllabus, Ch. 1 and 2	Ch. 1: The Construction Industry Ch. 2: Project Participants	
Wed	9/2	Ch. 3, ASCE Code of Ethics	Ch. 3: Individuals and Organizations; ASCE Code of Ethics	
Wed	9/9	Ch. 1, 2, 3, 4	Ch. 4: Project Chronology	Quiz 1 (Ch. 1, 2, 3)
Wed	9/16	Ch. 5	Ch. 5: Project Delivery Methods	
Wed	9/23	Ch. 6	Ch. 6: Construction Services During Design	
Wed	9/30	Ch. 4, 5, 6, 7	Ch. 7: Bidding	Quiz 2 (Ch. 4, 5, 6)
Wed	10/7	Ch. 8	Ch. 8: Construction and Closeout	
Wed	10/14	Ch. 9	Ch. 9: Estimating Project Costs	
Wed	10/21	Ch. 7, 8, 9, 10	Ch. 10: Project Planning and Scheduling	Quiz 3 (Ch. 7, 8, 9)
Wed	10/28	Ch. 1-9, 11	Ch. 11: Controlling Project Cost, Time, and Quality	Mid-term (Ch. 1-9)
Wed	11/4	Ch. 12	Ch. 12: Project Administration	
Wed	11/11	Ch. 13	Ch. 13: Construction Law	
Wed	11/18	Ch. 14	Ch. 14: Construction Safety and Health	Quiz 4 (Ch. 10, 11, 12)
Wed	11/25	Thanksgiving Holiday		
Wed	12/2	Ch. 12, 13, 14	Project Presentation/Discussion	Group Project Due Quiz 5 (Ch. 12, 13, 14)

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.