

College of Engineering

Department of Civil Engineering



CE 411 Introduction to Construction Contracts

Credit and Contact hours	3 / 3 (Lectures), 1 (Tutorials), 0 (Laboratory)	
Required, or Elective	Elective for a BSCE degree	
Course Description	Basics of construction law are covered, including types and selection of construction contracts. Topics include ingredients of engineering contracts, responsibilities and rights for the Contract Parties. International and Saudi standard contracts are presented to familiarize the students of the way Engineering Projects are administered time, cost and quality wise.	
Prerequisites or Co-requisites	None.	
Course Learning Outcomes	Students completing this course successfully will be able to	
	Course Learning Outcomes	<i>Related Student Outcomes (SO)</i>
	CLO1. Identify the basic elements of different kinds construction contracts and its relation to construction management and professional responsibilities of different parties	SO4
	CLO2. Recognize the impact of the contracting method on project stakeholders, project management, public policy and professional licensure procedures.	PC1
	CLO3. Recognize the ethical and professional responsibilities in preparing the bidding and contract documents, construction bonds, claims, and construction insurance.	SO4
CLO4. Resolve a real construction contract issue to reach a successful solution with consideration of different stakeholders' interests. (Complex problem- through a project)	SO1	
Student Outcomes related to this Course	SO 1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics, and using modern engineering tools. [ABET 1]	

	<p>SO 4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. [ABET 4]</p> <p>PC1. An ability to explain basic concepts in project management, business, public policy, and explain the importance of professional licensure.</p>	
Topics Covered	List of Topics	
	1. The nature of contracts	CLO.1
	2. Construction Contracts	CLO.1
	3. Project delivery methods	CLO.2
	4. Stipulated Sum Contracts	CLO.1
	5. Cost-Plus-Fee Contracts	CLO.1
	6. Unit Price Contracts	CLO.1
	7. Other Conditions of Contracts	CLO.2
	8. Subcontracts and Supply Contracts	CLO.2
	9. Documents for Contracts	CLO.3
	10. Bidding for Contracts	CLO.3
	11. Contracts negotiation	CLO.2
	12. Contracts disputes	CLO.4
	13. Construction Contracts in Saudi Arabia	CLO.4
Textbook(s) and Other Required Material	<ol style="list-style-type: none"> Collier, Keith (2001). Construction Contracts. 3rd Edition, Prentice-Hall, Inc., Upper Saddle River, New Jersey Saudi Public Works Contract FIDIC Construction Model Contracts www.fidic.org, www.saudieng.gov.sa 	
Grading System	Quizzes and Home Works	10%
	Mid-term exams	30%
	Group project oral test	20%
	Final Exam	40%
Instructors	Prof Ibrahim Alhammad (Room 2A58), email; alhammad@ksu.edu.sa	
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