

CE 516 Construction Engineering Contracts

Credit and Contact hours	3 / 3 (Lectures), 0 (Tutorials), 0 (Laboratory)																		
Required, or Elective	Required																		
Course Description	Basics of contract law; types and selection of construction contracts; essentials of plans and specifications; bidding, awarding and administration of contracts; liability, bonding claims, and other legal aspects associated with construction projects.																		
Prerequisites or Co-requisites	None																		
Course Learning Outcomes	<p>Students completing this course successfully will be able to:</p> <table> <thead> <tr> <th>Course Learning Outcomes (CLOs)</th><th>Related Student Outcomes (SO)</th></tr> </thead> <tbody> <tr> <td>CLO1. Recognize different types of engineering contracts, international standard practice of drafting engineering contracts as well as administration issues in resolving disputes between the construction project parties. K1</td><td>SO1</td></tr> <tr> <td>CLO2. Identify the competency of the project parties and local laws, for choosing the right construction-engineering contract. K1</td><td>SO1</td></tr> <tr> <td>CLO3. Recognize the obligations of the main parties in each of the various types as well as their advantages and disadvantages, similarities and differences, and suitability of application. K1</td><td>SO1</td></tr> <tr> <td>CLO4. Draft simple engineering contract to build a 2 Million SR house in Riyadh. S1</td><td>SO2</td></tr> <tr> <td>CLO5. Resolve dispute resolutions raised from real-life construction projects by presenting a case from a Saudi Administrative court, which you think it was not a fair judgment. S1</td><td>SO2</td></tr> <tr> <td>CLO6. Provide different construction disputes by understanding the governing contract and local laws to propose adopting international Dispute Resolution Practice through adjunction and/or Arbitration. S1</td><td>SO2</td></tr> <tr> <td>CLO7. Review the Saudi Competition Regulations and its relation to the Saudi Public Works Contract. S3</td><td>SO4</td></tr> <tr> <td>CLO8. Evaluate real-life Standard Construction Contracts that are promoted by different international professional bodies. S4</td><td>SO5</td></tr> </tbody> </table>	Course Learning Outcomes (CLOs)	Related Student Outcomes (SO)	CLO1. Recognize different types of engineering contracts, international standard practice of drafting engineering contracts as well as administration issues in resolving disputes between the construction project parties. K1	SO1	CLO2. Identify the competency of the project parties and local laws, for choosing the right construction-engineering contract. K1	SO1	CLO3. Recognize the obligations of the main parties in each of the various types as well as their advantages and disadvantages, similarities and differences, and suitability of application. K1	SO1	CLO4. Draft simple engineering contract to build a 2 Million SR house in Riyadh. S1	SO2	CLO5. Resolve dispute resolutions raised from real-life construction projects by presenting a case from a Saudi Administrative court, which you think it was not a fair judgment. S1	SO2	CLO6. Provide different construction disputes by understanding the governing contract and local laws to propose adopting international Dispute Resolution Practice through adjunction and/or Arbitration. S1	SO2	CLO7. Review the Saudi Competition Regulations and its relation to the Saudi Public Works Contract. S3	SO4	CLO8. Evaluate real-life Standard Construction Contracts that are promoted by different international professional bodies. S4	SO5
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Student Outcomes related to this Course	SO 1 Recognize advanced engineering knowledge, concepts, and techniques to identify, interpret, and analyze complex and real-life engineering problems. SO 2 Provide solutions for complex and real-life engineering problems through critical thinking and the use of modern engineering tools, and identify their impact on social, global, SO 4 Criticize and discuss scientific research reports /papers related to Civil Engineering issues with a high level of ethics proficiency and communication skills, independently, or as a teamwork. SO 5 Design novel advanced Civil Engineering systems and evaluate their performance, sustainability, and effectiveness for engineering practice and their impact in global, economic, environmental, and societal contexts	
Topics Covered	List of Topics	Related CLOs
	1. Review the basic elements of contract law and explain the traditional engineering contracts.	CLO 1,CLO2
	2. Recognize the obligations of the main parties in each of the various types as well as their advantages and disadvantages, similarities and differences, and suitability of application.	CLO1,CLO 3
	3. Expose and Review of the different kinds of Standard Construction Contracts which are promoted by different international professional bodies.	CLO2,CLO 6
	4. Review the Saudi Competition Regulations and its relation to the Saudi Public Works Contract	CLO 4,CLO7
	5. Present A Research Project in the area of Engineering Contracts which is relevant to Saudi Arabia Construction Market	CLO 5,CLO8
Textbook(s) and Other Required Material	• Collier, Keith (2011). Construction Contracts. 3rd Edition, Prentice-Hall, Inc., Upper Saddle River, New Jersey	
Grading System	Participation and Discussions	10%
	Course Project Assignments	20%
	Mid-term exam	30 %
	Final Exam	40 %
Instructors	Dr. Fahad Khshim Bin Welah	
Date of Review	March 2025	