

College of Engineering

Department of Civil Engineering

جامعة
الملك سعود
King Saud University



CE 599 Special Topics in Transportation

Credit and Contact hours	3/ 3 (Lectures), 0 (Tutorials), 0 (Laboratory)	
Required, or Elective	Required for a MSCE degree	
Course Description	This course covers a wide range of topics of current interest in planning, design, construction, operation, maintenance and / or management of transportation systems. The specific subject will be selected based on the need, student interest and faculty expertise.	
Prerequisites or Co-requisites	None	
Course Learning Outcomes	Students completing this course successfully will be able to	
	Course Learning Outcomes	Related Program Outcomes
	CLO1: Illustrate practical transportation engineering problems and analyze them to develop solutions.	S1
	CLO2: Apply the new advancements and technologies in real-life problems related to transportation engineering.	S1
	CLO3: Use advanced engineering techniques, modern tools, and systems necessary for advanced transportation engineering problems.	S1
	CLO4: Evaluate the new advancements and technologies in transportation engineering, and predict its applicability in real-life.	C1
	CLO5: Discuss recent research developments in transportation Engineering and identify any gaps of needed future research .	C1
Student Outcomes related to this Course	S1. Provide solution for complex and real-life engineering problems through critical thinking and using modern engineering tools and identify its impact on social and ethical issues.	

	C1. Criticize and discuss scientific research reports /papers related to Civil Engineering issues with high level of ethics and proficiency, independently, or as a team work.	
Topics Covered	List of Topics	Related CLOs
	1. The list of topics will be determined later to be relevant to the selected subject of the study.	
Textbook(s) and Other Required Material	<ul style="list-style-type: none"> • Dependent on the selected topic. 	
Grading System	Assignments	10%
	Project Work/Papers/Presentation	30%
	Midterm Exam	20%
	Final Exam	40%
Instructors	Any instructor can teach the course depending on topics selected to serve specific student's needs.	
Date of Review	February, 2021	