

King Saud Universit		g Saud University	
	SE 496 Graduation Project 1		
Credit and Contact hours	2/ 2(Lectures); 0(Tutorials); 0(Laboratory)		
Required, or Elective	Required for a BSCE degree		
Course Description	The student must accomplish a 2-semester-project in any major fields of surveying (the project must include field work &/or field data in addition to associated computations & assessment); an integrated report detailing each step of the project must be provided by the student & approved by the project supervisor & the examiners after presentation of the project.		
Prerequisites or Corequisites	Successful completion of 129 credit hours and passing all cou	rses in levels 1-7	
Course Learning Outcomes	Students completing this course successfully will be able to		
	Course Learning Outcomes	Related Student Outcomes (SO)	
	CLO1: Discuss with supervisor selection of a problem of clear, justified and significant objectives that engages various St branches (capstone project)		
	CLO2: Design and plan procedures to collect data using appropriate surveying engineering techniques	SO2	
	CLO3: Present and orally defend report including literature review and appropriate plan to accomplish project stated objectives	SO3	
<b>Student Outcomes</b>	SO 2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.  SO 3.an ability to communicate effectively with a range of audiences.		
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Topics Covered	List of Topics	Related CLOs	
	Introductory lectures about cap stone project requirement tools and procedures		
	2. Selection of a surveying engineering problem that can be tackled through more than two survey disciplines. Discussion with the supervisor to agree on approval of the projection problem	on	

	3. Search for relevant literature and writing introduction chapter including objective of the project, background, literature review and plan to accomplish the project,	CLO3
	4. Planning and designing approaches to collect required data (if this needs field data collection students will be trained on the appropriate surveying instrumentation and techniques)	CLO2
	5. Writing Report and oral presentation training	CLO3
Textbook(s) and Other Required Material	Textbook:	
<b>Grading System</b>	Mid Exam (Examiners Evaluation) 20% Final Exam (Examiners Evaluation) 30% Supervisor Evaluation 50%	
Instructors	SEP Faculty	
Date of Review	Nov, 2020	