



The Hashemite University
Faculty of Engineering
Civil Engineering Program
Course Syllabus



Course Title:	Graduation Project II (2,0,0)	Course Number:	110401599
Department:	Civil Engineering	Designation:	Compulsory
Prerequisite(s):	min. of 120 credits		
Instructor:		Instructor's Office:	
Instructor:		email:	srababah@hu.edu.jo

Course description: Completion of Graduation Project I in planning, design, construction and/or management of an engineering project that handles contemporary engineering problems under the supervision of the faculty members. Similar to CE 598 the course allows the student to apply the knowledge attained from the various courses of the undergraduate program to prepare the proper approach of solution and completion to his engineering project.

**Course objectives
(Course Learning
Outcomes):**

Specific Outcomes of Project (Course Learning Outcomes):

1. Apply design concepts, design codes and engineering tools appropriate to their selected design project. (2)
2. Work on a realistic design project in a team setting with colleagues from diversified backgrounds. (5)
3. Use of modern tools and techniques appropriate for engineering analysis. (1,2, 6)
4. will be introduced to important non-technical aspects of civil projects such as economic analyses, feasibility and sustainability, health and safety impact, environmental impact assessment, social impact assessment, and politics (2, 4)
5. Demonstrate an understanding of professional and ethical responsibility. (4)
6. Demonstrate recognition of the importance of life-long learning. (7)
7. Practice effective communication through preparation of a professional engineering report and oral project presentation. (3)

Student Outcomes (SO) Addressed by the Course:

ABET 1-7	Outcome Description	Contribution
General Engineering Student Outcomes		
1	an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	
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	H
3	an ability to communicate effectively with a range of audiences	H
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	L
5	an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives	L
6	an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions	
7	an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	M
H=High, M= Medium, L=Low		