



**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. (c)
2. Work on a realistic design project in a team setting with colleagues from diversified backgrounds. (d)
3. Use of modern tools and techniques appropriate for engineering analysis. (k)
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 (c, h, j)
5. Demonstrate an understanding of professional and ethical responsibility. (f)
6. Demonstrate recognition of the importance of life-long learning. (i)
7. Practice effective communication through preparation of a professional engineering report and oral project presentation. (g)

Student Outcomes (SO) Addressed by the Course:

#	Outcome Description	Contribution
General Engineering Student Outcomes		
(c)	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	H
(d)	An ability to function on multidisciplinary teams	L
(f)	An understanding of professional and ethical responsibility	L
(g)	An ability to communicate effectively	H
(h)	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	L
(i)	a recognition of the need for, and an ability to engage in life-long learning	M
(j)	A knowledge of contemporary issues	M
(k)	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	H
H=High, M= Medium, L=Low		