Republic of Iraq

**Ministry of Higher Education and Scientific Research
Supervision and Scientific Evaluation Apparatus**

College: Shatt Al-Arab University

Department: Civil Engineering

Stage: 3ʳᵈ stage

Lecturer name: Dr. Jasim Mohsin Yasir

Academic title: Lecturer

Course Weekly Outline

Name	Dr. Jasim Mohsin Yasir
E-mail address	jasimmohsen@sa-uc.edu.iq
Course name	Computer applications-2
Course objective	☐The course aims to introduce the principles of structural analysis and design of buildings using ETABS software.
Course description	A- Cognitive objectives A1- Structural analysis and design of structures using ETABS program. B- Course specific skill objectives. B1- Using ETABS program for the purpose of analyzing and designing structures.
References	Etabs Manuals
External sources	Etabs Manuals

Course assessment	**Lab.**	**Quizzes and assessment**	**Mid-term exam**	**Final exam**
	30	**10**		**60**

General notes	

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Course Weekly Outline

Week No.	Theoretical	Experimental	Aims
1		Introduction to Etabs	A1- Structural analysis and design of structures using ETABS program. B- Course specific skill objectives. B1- Using ETABS program for the purpose of analyzing and designing structures.
2		Modelling of the Structures	
3		Modelling of the Structures	
4		Modelling of the Structures	
5		Loading Definition	
6		Loading Application	
7		Lateral Loads	
8		Structural Analysis	
9		Results Display	
10		Results Display	
11		Reinforced Concrete Frame Design	
12		Reinforced Concrete Frame Design	
13		Steel Frame Design	
14		Steel Frame Design	
15		Export and Import Files	