## Republic of Iraq

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



College: Shatt Al-Arab University
Department: Civil Engineering

Stage: 3<sup>rd</sup> 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-1				
Course objective	Teaching undergraduate students how to deal with applied engineering programs such as the EPANET program used to analyze and For water network design, as well as the Microsoft Project program used in planning construction projects, estimating costs and project completion time, and controlling projects.				
Course description	A- Cognitive objectives A1- Learn about engineering programs and their types A2- Know the sources of obtaining programs A3- Know the basics of engineering programs B- Skill objectives specific to the course. B1- Learn to choose the appropriate program B2- Know how to provide the information required to feed the program B3- Know how to open the program and enter information B4- Learn to conduct analysis and obtain results				
References	Epanet Program Guide MS Project Program Guide				
External sources	Epanet Program Guide MS Project Program Guide				
Course assessment	Lab.	Quizzes and assessment	Mid-term exam	Final exam	
2 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	30	10		60	
General notes		L	<u> </u>	1	

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Week No.	Theoretical	Experimental	Aims
1		Engineering Programs	
2		Epanet Basics	
3		Learn to Draw Water	
		Network Components	
4		How to Determine	
		Contract Levels, Tanks,	
		and Pipe Diameters	<b>36</b> .
5		Enter Pump Information	t <u>3</u>
6		Conduct Network Analysis	ir
7		How to Review Results	the is ms
8		How to Enter Time-	ums and the programs ; programs
		Variable Information	ar ggr og
9		How to Conduct Analysis	ms orco pr
9		and Display Results	ran ng P
10		Definition of MS-Project	ogo og
		Program	pr air nee
11		Introduction to the	ut engineering prograr sources of obtaining p basics of engineering
		Program	erri en
12		Learn to Break Down the	ne of
		Project into Sub-Activities	igi S S
13		Learn to Enter Activity	en our asio
		Names and Time for Each	sc sc bz
		Activity	aboo the the
14		Learn How to Link	Learn about engineering programs and their types Know the sources of obtaining programs Know the basics of engineering programs
		Activities with Time	arr Nor Nor
		Relationships	Learn a Know Know
15		Learn the Critical Path	1 1 1
		Method	A1 A2 A3