Republic of Iraq
The Ministry of Higher Education and
Scintific Resrearch
Supervision and Scientific Evaluation Body

College : Shatt Al Arab
University College
Department : Computer
Engineering Technology
Stage: second stage
Lecturer Name : Hussein
Almazini
Academic Status : Assistant
Lecturer

Course Weekly Outline

Course Lecturer	**Assistant Lecturer: Hussein Fouad Abbas Almazini**
e-mail	**hussein.f.abbas@sa-uc.edu.iq**
Title	**Computer applications**
Course Coordinator	**Computer Engineering Technology**
Course Objective	**A1 - Familiarity with the linear, non-linear and differential engineering programming language in how to deal with dealing and equations (Mat Lab)** **2- Introducing the student to the ability to deal with matrices and mathematical functions, as well as dealing with numbers**
Course Description	
Textbook	**David McMahon, "Matlab Demystified", 2007.** **Brain Hahn and Daniel T. Valentine, "Essential Matlab for enginners and scientists", 3rd edition, 2007.** **Stephen J. Chapman, "essential matlab of programming", 2nd edition, 2008.**
References	

Course Assessment	**Term Exam**	**Project**	**Quizzes and Attendance**	**Final Exam**
	30		**10**	**60**

General Notes	

Republic of Iraq
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College : Shatt Al Arab
University College
Department : Business
Adminstration
Stage:
Lecturrer Name:
Academic Status:
Qualification:

Week	Date	Topics Covered	Number of Hours	Notes
1		Introduction ,Matlab environment ,Mat lab windows	3	
2+3		A first program, Expression, Constants	6	
4		Variables and assignment statement	6	
5		Arrays, Built in functions, basic matrix	3	
6+7		Multiple data sets in one graph	6	
8+9+10		Conditional statement	9	
11+12+13		While, for statement	9	
14		String handling	3	
15		Procedures and function	3	
16		cells	3	
17		Length, size, reshape, dot	3	
18+19+20		Handle graphics GUI and user interface	9	
21		Getting input, setting output	3	
22+23		Predefined GUI	6	
24+25		Menu-driven programs	6	

26+27		Writing and reading to & from text file	6	
28+29		Introduction to image analysis	**6**	

Lecturer signature   **Head of Department Signature**