

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Computer Science		Module Delivery
Module Type	S		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	COSC 110		
ECTS Credits	4		
SWL (hr/sem)	100		
Module Level	UGI	Semester of Delivery	
Administering Department	Civil Engineering	College	Civil Engineering
Module Leader	Sameh Badry Tobeia	e-mail	40115@uotechnology.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ph.D.
Module Tutor	Name (if available)	e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date		Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	-	Semester	-
Co-requisites module	-	Semester	-

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	<ol style="list-style-type: none">1. Introducing students to the basic concepts and concepts related to computer principles.2. Definition of student with tools that used in computer applications and how to keeping various skills.3. Prepare the student to be familiar with the basics of preparing and evaluating reports, presentations, tables and charts.4. Student informing with the environmental of visual basic language.5. Student informing to the Control tools and necessary statements to write program6. Student informing on how to solve experiment problem by using programming and reduce the time for application
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none">1- Discussion and dialogue, brain storming by encouraging students to produce a large number of ideas about some issue or problem raised during the lecture.2- Self-learning by teaching the student by his own according to his special abilities and mental and cognitive levels responding to his preferences and interests to achieve development and integration of his capabilities.3- Cooperative learning by team working. Competitive learning by creating a competition among peers.
Indicative Contents المحتويات الإرشادية	<p>Indicative content includes the following.</p> <ol style="list-style-type: none">1- Enable students to learn and understand the various types and methods used in fundamental of computer since, internet. [3 hrs]2- Enable students to learn and understand the practical applications of Microsoft office. [12 hrs]3- Introduction to Visual Basic language. Project, save project, applications [6 hrs]4- Writing Visual Basic codes, main object for visual box statements and Dialogue box. [9 hrs]5- (IF-----THEN-----) statement and similar statement. [6 hrs]6- Check box control and option button. [6 hrs]7- Looping statement. [3 hrs]

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	<p>The main strategy that will be adopted in delivering this module is to teach theoretical lectures, practical laboratory experiments, discussion and dialogue, brain storming, examples and questions used to achieve the goals. Also encourage students to solve problems by using the computer lab on their own after a simple explanation of the matter given by the lecturer, thus an opportunity for the student to program the problem.</p>
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Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	47	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	3.133
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	53	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	3.533
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	2,5,10,14	LO # 2 and 3
	Assignments	2	5% (5)	3,5,12,14	LO # 2 and 3
	Projects / Lab.	1	5% (5)	Continuous	LO # 1 and 2
	Report	-	-	-	-
Summative assessment	Midterm Exam 1	1 hr	15% (15)	5	
	Midterm Exam 2	1 hr	15% (15)	12	
	Final Exam Lab.	1 hr	10% (10)		
	Final Exam Theoretical	3 hr	40% (40)		
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Computer fundamentals: (Computer components, types, operations). Operating system, internet.
Week 2	Microsoft Office -Word.
Week 3	Microsoft Office-Excels.
Week 4	Microsoft Office-Excels.
Week 5	Mid-term Exam + Microsoft Office- Power Point.
Week 6	Introduction to Visual Basic language, forms: Control tools, name selection of the control tools. Explorer project, properties, events
Week 7	Project, save project, applications and Files and projects, exercises.

Week 8	Writing the code (Textbox, label button , command button & scrollbar.)
Week 9	Dialogue box, message box, and input box
Week 10	Main object for visual box statements, data, static data, numerical letters, variables, direct certainty statement.
Week 11	(IF-----THEN-----) statement.
Week 12	Mid-term Exam + (IF-----THEN-----ELSE) multiple and similar statement.
Week 13	check box control
Week 14	option button
Week 15	Looping statement (FOR-----NEXT).
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Computer fundamentals: (Computer components, types, operations). Operating system, internet.
Week 2	Microsoft Office -Word.
Week 3	Microsoft Office-Excels.
Week 4	Microsoft Office-Excels.
Week 5	Microsoft Office- Power Point.
Week 6	Introduction to Visual Basic language, forms: Control tools, name selection of the control tools. Explorer project, properties, events
Week 7	Mid-term Exam + Project, save project, applications and Files and projects, exercises.
Week 8	Writing the code (Textbox, label button ,command button & scrollbar.)
Week 9	Dialogue box, message box, and input box
Week 10	Main object for visual box statements, data, static data, numerical letters, variables, direct certainty statement.
Week 11	(IF-----THEN-----) statement.
Week 12	(IF-----THEN-----ELSE) multiple and similar statement.
Week 13	check box control
Week 14	option button
Week 15	Looping statement (FOR-----NEXT).
Week 16	Preparatory week before the final Exam

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Visual Basic, Abdul Mutalib I. Ahmad.	yes
Recommended Texts	None	-
Websites	None	

Grading Scheme				
مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
<p>Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.</p>				