MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

<table>
<tr><td colspan="4" align="center">Module Information
معلومات المادة الدراسية</td></tr>
<tr><td>Module Title</td><td colspan="2" align="center">Visual basics</td><td>Module Delivery</td></tr>
<tr><td>Module Type</td><td colspan="2" align="center">basic</td><td rowspan="4">☒Theory
☒Lecture
☒Lab
☐Tutorial
☐Practical
☐Seminar</td></tr>
<tr><td>Module Code</td><td colspan="2" align="center">UOMU0207036</td></tr>
<tr><td>ECTS Credits</td><td colspan="2" align="center">3</td></tr>
<tr><td>SWL (hr/sem)</td><td colspan="2" align="center">75</td></tr>
<tr><td>Module Level</td><td>UGII</td><td>Semester of Delivery</td><td>1</td></tr>
<tr><td>Administering Department</td><td></td><td>College</td><td>NETC</td></tr>
<tr><td>Module Leader</td><td>Mohammed Fadhil</td><td>e-mail</td><td>Mohammed.fadhil1@uomus.edu.iq</td></tr>
<tr><td>Module Leader's Acad. Title</td><td>Lecturer</td><td>Module Leader's Qualification</td><td>Ph.D.</td></tr>
<tr><td>Module Tutor</td><td>Mohammed Fadhil</td><td>e-mail</td><td>Mohammed.fadhil1@uomus.edu.iq</td></tr>
<tr><td>Peer Reviewer Name</td><td></td><td>e-mail</td><td></td></tr>
<tr><td>Scientific Committee Approval Date</td><td>03/09/2025</td><td>Version Number</td><td>1.0</td></tr>
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<tr><td colspan="4" align="center">Relation with other Modules
العلاقة مع المواد الدراسية الأخرى</td></tr>
<tr><td>Prerequisite module</td><td>None</td><td>Semester</td><td></td></tr>
<tr><td>Co-requisites module</td><td>None</td><td>Semester</td><td></td></tr>
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Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. Explain the concepts of visual basic . 2. Describe the difference between loop and jumping instruction. 3. Explain the operation of all loop instruction.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Have will be able to be completed a basic computer literacy course (e.g., CIS100, BIT1150, INFS1010) or receive permission of instructor 2. Be self-motivated 3. Be computer savvy and feel VERY comfortable getting around on the computer 4. Have the ability to troubleshoot their own computer problems 5. Any computer programming experience is helpful but not necessary.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. <u>Part A – Concept of visual basics</u> Course Introduction • The Visual Basic Interface • Variables, Constants and Calculations • Decision Making • The IDE Debugger <u>Part B – visual basics programming</u> Menus, Subprocedures and Functions • Creating Object-Oriented Programs • Lists, Looping and Printing • Arrays and Structures -

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	• Interactive lecturing style, with opportunities for questions. • Encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. • Interactive simulation for the logic circuits. • Make tutorial questions for formative feedback. • Assessments related to students' answers are delivered with scientific comments.

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	3.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	27	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	**75**		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	5 and 11	L #2, #3 and #8, #9
	Assignments	2	10% (10)	7 and 14	L #6, #7 and #13, #14
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO #5, #10 and #12
Summative assessment	**Midterm Exam**	2hr	10% (10)	8	LO #1 - #7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Identify Visual Basic components
Week 2	Identify Visual Basic instructions
Week 3	Understand Object-Oriented Programming
Week 4	Organize application development
Week 5	Design and create forms
Week 6	Build Menus
Week 7	Program using decision statements and loops
Week 8	Mid-term Exam
Week 9	Follow Visual Basic application development steps

Week 10	Code Global, Module, and Form level events, procedures, variables, and constants
Week 11	Identify Visual Basic data handling
Week 12	Use the Debug Tool
Week 13	Develop menu item, Help button, and context sensitive Help
Week 14	Preparing for final exam global review process
Week 15	Final exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	i)Study of VB environment with following details: Textbox, Label, Combo, List
Week 2	i)Study of VB environment with following details: Check boxand Option Buttons Form and their Types
Week 3	Design of Forms to perform mathematical operations: Addition,
Week 4	Subtraction,
Week 5	Multiplication
Week 6	Divisions using Text box, Labels, Command buttons
Week 7	Lab 7: exam
Week 8	Design of Forms to perform following operations: Use of Date, Time and Mathematical functions using Text box,
Week 9	Labels, Combo box, Command buttons
Week 10	To find the simple interest
Week 11	To find the greatest numbers among three numbers
Week 12	To find the greatest and smallest among a list of numbers
Week 13	To calculate the sum of N numbers
Week 14	To check whether a given number is even or odd
Week 15	Lab 15: Design a 2-to-4-line decoder using logic gates.

	Learning and Teaching Resources مصادر التعلم والتدريس		
	Text		**Available in the Library?**
Required Texts	. Columbia Guide to Online Style by Janice R. Walker and Todd Taylor		yes
Recommended Texts	Columbia Guide to Online Style by Janice R. Walker and Todd Taylor		yes
Websites	https://www.macmillanlearning.com/college/us/online/cite6.html		

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

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.