

Ministry of Higher Education and Scientific Research - Iraq University of Technology Department of Computer Science



MODULE DESCRIPTOR FORM نموذج وصف المادة الدر اسية

Module Information معلومات المادة الدر اسية						
Module Title	STRUCTURED PROGRAMMING			Module Delivery		
Module Type	Core					
Module Code	CS103			-T	-Theory Lecture -Lab -Practical Seminar	
ECTS Credits	8	8				
SWL (hr/sem)	102					
Module Level		1	Semester of Delivery 2		2	
Administering Department			College			
Module Leader	Anmar A. Moł	nammed	e-mail	anmar.a.aljanabi@uotechnology.edu.i		otechnology.edu.iq
Module Leader's Acad. Title		Lecturer	Module Lo Qualificat	Module Leader's Qualification		Ph.D.
Module Tutor	None		e-mail	None		
Peer Reviewer Name			e-mail			
Review Committee Approval			Version N	umber		

Relation With Other Modules العلاقة مع المواد الدراسية الأخرى				
Prerequisite module	None	Semester		
Co-requisites module	None	Semester		

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدر اسية ونتائج التعلم والمحتويات الإر شادية				
Module Aims أهداف المادة الدر اسية	 Teaching the students the concept of the array , performing many operation on them. Studying the functions and how to call then and passing values to them. Teaching students strings manipulate Teaching student the pointers and the structures in C++ 			
Module Learning Outcomes مخرجات التعلم للمادة الدر اسية المحتويات الإرشادية	 Understanding the meaning of one dimension array Understanding the meaning of two dimension array Perform operations on arrays. Understanding the concept of function and who to return values from them Learn how to pass parameters to functions Capable of using string and manipulate them in the program Give the student the ability of using pointers and structures in there programs Explain how to define one dimension and two dimension array Define functions with their various types. Explain how to use strings in the program Let the students see many examples about pointers and structures and there effects on the programs 			
Learning and Teaching Strategies استر اتيجيات التعلم و التعليم				
Strategies	The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.			

Student Workload (SWL) الحمل الدر اسي للطالب				
Structured SWL (h/sem) الحمل الدر اسي المنتظم للطالب خلال الفصل	102	Structured SWL (h/w) الحمل الدر اسي المنتظم للطالب أسبو عيا	7	
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	98	Unstructured SWL (h/w) الحمل الدر اسي غير المنتظم للطالب أسبو عيا	6.5	
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200			

Module Evaluation تقييم المادة الدر اسية						
	Time/Nu mberWeight (Marks)Week DueRelevant Learning Outcome					
Formative assessment	Quizzes	1	10% (10)	5	LO # 1 and 3	
	Practical Seminar (Lab).	2	15% (15)	Continuous	LO # 2 , 4 and 5	
Summative assessment	Midterm Exam	1 hr	15% (15)	14	LO # 1 to 5	
	Final Exam	3hr	60% (60)	16	All	
Total assessment			100% (100 Marks)			

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري				
	Material Covered			
Week 1	 Functions, program in functions Passing parameters 			
Week 2	• Arrays: one dimensional array			
Week 3	Arrays: two dimensional array			
Week 4	• Array and functions			
Week 5	Quizzes			
Week 6	• Strings			
Week 7	Member function of strings			
Week 8	Structure : Type of Structure declaration			
Week 9	Array of Structures			

Week 10	Structure within structure
	 Functions and structures
Week 11	• pointers declaration
WEEKII	 pointers and functions parameters passing
Week 12	• Pointers and arrays
Week 13	• Arrays of pointers
	• pointers to pointers
Week 14	Midterm Exam
Week 15	Preparatory Week
Week 16	Final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر				
	Material Covered			
Week 1	 Functions, program in functions Passing parameters 			
Week 2	Arrays: one dimensional array			
Week 3	Arrays: two dimensional array			
Week 4	Array and functions			
Week 5	Quizzes			
Week 6	• Strings			
Week 7	Member function of strings			
Week 8	Structure : Type of Structure declaration			
Week 9	Array of Structures			
Week 10	 Structure within structure Functions and structures 			
Week 11	 pointers declaration pointers and functions parameters passing 			
Week 12	Pointers and arrays			
Week 13	 Arrays of pointers pointers to pointers 			

Learning and Teaching Resources مصادر التعلم و التدريس				
Text Available in the Library?				
Required Texts	Mastring C++, Amman-Jordan, AL-Shorok, 2002	Yes		
Recommended Texts	1- OqeiliSalch, prof. Department of IT-AL-Balqa Applied University.	No		
Websites				

APPENDIX:

GRADING SCHEME مخطط الدرجات						
Group	Grade	التقدير	Marks (%)	Definition		
	A - Excellent	امتياز	90 - 100	Outstanding Performance		
Success Group	B - Very Good جيد جدا 80 - 89 Abov		Above average with some errors			
	C - Good	جنز	70 - 79	Sound work with notable errors		
(30 - 100)	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings		
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria		
Fail Group	FX – Fail	مقبول بقرار	(45-49)	More work required but credit awarded		
(0 - 49)	F – Fail	راسب	(0-44)	Considerable amount of work required		
Note:						

NB 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.