

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



MODULE DESCRIPTOR FORM نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية						
Module Title	STRUCTURED I	PROGRAMMING			Module Delivery	
Module Type	BASIC					
Module Code	STPR121				-Theory Lecture - Lab -PracticalSeminar	
ECTS Credits	8					
SWL (hr/sem)	200					
Module Level		1	Semester of Delivery		2	
Administering D	Administering Department		College			
Module Leader	Lecture Yasir M. Ismaeel		e-mail	110024@uotechnology.edu.iq		ogy.edu.iq
Module Leader's Acad. Title		Lecture	Module Leader's Qualification		er's	M.Sc.
Module Tutor	or None		e-mail	None		
Peer Reviewer Name			e-mail			
Review Committee Approval			Version N	umb	oer	

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 الدراسية ونتائج التعلم والمحتويات الإرشادية					
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++ 				
	Understanding the meaning of one dimension array				
	2. Understanding the meaning of two dimension array				
Module Learning Outcomes	3. Perform operations on arrays.4. Understanding the concept of function and who to return values from				
	them				
مخرجات التعلم للمادة الدراسية	5. Learn how to pass parameters to functions				
	6. Capable of using string and manipulate them in the program7. Give the student the ability of using pointers and structures in there				
	programs 1. Explain how to define one dimension and two dimension arrays				
Indicative Contents المحتويات الإرشادية	 1- Explain how to define one dimension and two dimension array 2- Define functions with their various types. Explain how to use strings in the program 3- Let the students see many examples about pointers and structures and there effects on the programs 				
	Learning and Teaching Strategies				
	استراتيجيات التعلم والتعليم				
The main strategy that will be adopted in delivering this module is encourage students' participation in the exercises, while at the same ti refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of sime experiments involving some sampling activities that are interesting to students.					

Student Workload (SWL) الحمل الدراسي للطالب				
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	108	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	7	
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	92	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	5.7	
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200			

Module Evaluation تقييم المادة الدراسية

		Time/Nu mber	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative	Quizzes	1	10% (10)	5	LO # 1 and 3
assessment	Practical Seminar(Lab).	2	15% (15)	Continuous	LO # 2, 4 and 5
Summative	Midterm Exam	1 hr	15% (15)	14	LO # 1 to 5
assessment	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 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 pointerspointers to pointers			

Learning and Teaching Resources مصادر التعلم والتدريس				
	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 الدر جات					
Group	Grade	التقدير	Marks (%)	Definition	
	A - Excellent	امتياز	90 - 100	Outstanding Performance	
Success Group (50 - 100)	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	مقبول بقرار	(45-49)	More work required but credit awarded	
	F – Fail	راسب	(0-44)	Considerable amount of work required	
Motor				•	

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.