	Ministry of Higher Education and Scientific Research. University of Anbar. Department of Information System.	

MODULE DESCRIPTOR FORM

Module Information					
Module Title	**Structured programming I**		**Module Type**	TYPE C	
Module Code	ISSP101		**ECTS Credits**	8	
Module Level	UGI		**Semester of Delivery**	One	
Administering Department	IS		**Faculty**	CSIT	
Module Leader	Mahmoud Hilal		**e-mail**	mah2005hilal@uoanbar.edu.iq	
Module Leader's Acad. Title	Lecturer		**Module Leader's Qualification**	PhD	
Module Tutor			**e-mail**		
Peer Reviewer Name	/		**e-mail**	/	
Review Committee Approval	DD/MM/YY		**Version Number**	1.0	

Relation With Other Modules	
Pre-requisites	/
Co-requisites	/
Module Aims, Learning Outcomes and Indicative Contents	
Module Aims	Learn how to use the Advanced Tools helps programmers write fast, portable programs The main principles of programming and the development of programming languages Learn the principles of Structure programming
Module Learning Outcomes	A1- Knowledge and understanding A2. Learn algorithms A3. Learn flowcharts

	A4. Learn structured programming A5. Learn Python programming
Indicative Contents	
Learning and Teaching Strategies	
Strategies	The main strategy that will be adopted in delivering this module are: 1. Power point presentation (Data show). 2. Explanation on the white board using different color markers. 3. Discussions with the student during teaching. 4. Interaction with students through daily problems practice through lecture. 5. Solve different problems with more exercises. 6. Submit assignment that develop student learning.

Module Delivery	
Structured workload (h/w)	5.4
Unstructured workload (h/w)	8
Total workload (h/w)	13.4

Module Evaluation

	Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Quizzes	3	6% (6)	3,7 and 11	
Assignments	2	6% (6)	2 and 12	
Projects / Lab.	1	15% (15)	Continuous	
Report	1	5% (5)	13	
Midterm Exam	2 hr	18% (18)	7	
Final Exam	3 hr	50% (50)	16	
Total		100% (100 Marks)		

Learning and Teaching Resources

	Text	Available in the Library?

Required Texts	"Starting Out with Python plus My Programming Lab with Pearson Text --Access Card Package (3rd Edition) Tony Gaddis ISBN-13: 978-0133862256"	Yes/No
Recommended Texts		Yes/No
Websites		

Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
First	3 h.	Programming principles	Overview to Programming Language	Explain Menu, Getting Started with python	
Second	3 h.	Algorithms	Algorithms and Flow Charts	Algorithms and Flow Charts	
Third	3 h.	Introduction to Programming	Storing and Manipulating Values Calling Functions Comments Formatting Values Working with Strings Exercises	Storing and Manipulating Values Calling Functions Comments Formatting Values Working with Strings Exercises	Quiz
Fourth	3 h.	Unary Operators	Unary Minus Increment and /decrement Operators.	Program of Unary Minus Increment and /decrement Operators.	
Fifth	3 h.	Operational Operators	Operational Assignment Operators Relational Operators Logical Operators. Bitwise Operator Logical Operators. Bitwise Operator	Program Operational Assignment Operators Relational Operators Program Logical Operators. Bitwise Operator	
Sixth	3 h.	Selection Statements	Boolean Logic If Statements If-Else Statements	Programs in Lectures	Quiz
Seventh	3 h.	Selection Statements	If-Elif Statements If-Elif-Else Statements Nested If Statements	Programs in Lectures	

Ninth	3 h.	To evaluate the students	Monthly exam		By exam
Ninth	3 h.	Repetition	While Loops		By exam
Tenth	3 h.	Repetition	For Loops	Programs in Lectures	
Eleventh	3 h.	Repetition	Nested Loops Exercises	Programs in Lectures	
Twelfth	3 h.	Functions	Functions with Parameters Variables in Functions	Programs in Lectures	
Thirteenth	3 h.	Functions	Return Values	Programs in Lectures	
Fourteenth	3 h.	Functions	Importing Functions into Other Programs Exercises	Programs in Lectures	
Fifteenth	3 h.	To evaluate the students	Monthly exam		By exam

APPENDIX:

UNIVERSITYof Anbar				
GRADING SCHEME				
Group	**ECTS Grade**	**% of Students/Marks**	**Definition**	**GPA**
Success Group (50 - 100)	**A** - Excellent	Best 10%	Outstanding Performance	**5**
	B - Very Good	Next 25%	Above average with some errors	**4**
	C - Good	Next 30%	Sound work with notable errors	**3**
	D - Satisfactory	Next 25%	Fair but with major shortcomings	**2**
	E - Sufficient	Next 10%	Work meets minimum criteria	**1**
Fail Group (0 – 49)	**FX** – Fail	(45-49)	More work required but credit awarded	
	F – Fail	(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.