CIHAN UNIVERSITY-SULAIMANIYA

Course Outline

2024-2025

Address:
Chwarchra-Opposite to Family Mall
Sulaymaniyah City
Kurdistan Region–Iraq
Tel: 07714695656,
email: presidency@sulicihan.edu.krd

MODULE DESCRIPTION FORM

Module Information					
Module Title	**Programming 1**				
Module Type	Theory and Lab			☐ **Theory** ☐ **Lecture** ☐ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar** ☐ **Report** ☐ **Extra activity**	
Module Code					
Language	English				
ECTS Credits	**6**				
Module Level	**First-year**	**Semester of Delivery**	**1st**		
Administering Department	**Computer Science**	**College**	**Science**		
Lecturer	**Ardalan Hussein Awlla**				
Academic Title	**Assistant Lecturer**	**Qualification**	**Master**		
Module Tutor		**e-mail**	ardalan.husain@sulicihan.edu.krd		
Peer Reviewer Name		**e-mail**			
Scientific Committee Approval Date		**Version Number**	1		
Cycle of Study	Bachelor	**Form of Education**	Full time		

Relation with other Modules			
Prerequisite module		**Semester**	
Co-requisites module		**Semester**	

Cihan University-Sulaimaniya

College of Health Science

Department: Anesthesia
Discipline: Computer Skills
Stage: First

Total Contact Hours:	**52**
Total Self Study Hours:	**110**
Total No. Hours:	**162**
ECTS:	**06**

No. of Weeks	Contact Hours					Self-Study					
	Theoretical	Practical	Lab	Project	Visit	Quiz	Reading	Assignment	Report	Midterm Exam.	Final Exam.
1st Week (Registration)	-	-	-	-	-	-	-	-	-	-	-
2nd Week	2	2					2				
3rd Week	2	2				2	2	6			
4th Week	2	2				2	2		2		
5th Week	2	2				2	2		8		
6th Week	2	2					2	2			
7th Week	2	2					2				
8th Week	2	2					2			11	21
9th Week	2	2				2	2	8			
10th Week	2	2				2	2		2		
11th Week	2	2					2				
12th Week	2	2				2	2	2	8		
13th Week	2	2				2	2				
14th Week	2	2					2				
15th Week (Pr. Final Ex											
16th Week (Final Exam.)											
TOTAL	**26**	**26**				**14**	**26**	**18**	**20**	**11**	**21**

Delivery Plan (Weekly Syllabus)	
	Material Covered
Week 1	Registration
Week 2	Introduction to programming(C# Fundamentals)
Week 3	Understanding Variables and Data Types
Week 4	Introducing to Operators
Week 5	Control Structures in Programming
Week 6	Working with Loops and Conditions
Week 7	MIDTERM EXAM 1
Week 8	Working with Loops and Conditions 1
Week 9	Working with Loops and Conditions 2
Week 10	Error Handling and Debugging
Week 11	Exploring Arrays and Collections (One Dimension Array)
Week 12	Exploring Arrays and Collections (Two Dimension Array) 1
Week 13	Exploring Arrays and Collections (Two Dimension Array) 2
Week 14	Introduction to Functions and Methods 1
Week 15	Introduction to Functions and Methods 2
Week 16	Review

Delivery Plan (Weekly Lab. Syllabus)	
	Material Covered
Week 1	Registration
Week 2	Lecture
Week 3	Lecture
Week 4	Lecture
Week 5	Lecture, assignment
Week 6	Lecture
Week 7	**MIDTERM EXAM 1**
Week8	Lecture
Week9	Lecture
Week 10	Lecture

Week 11	**Lecture**
Week 12	Lecture
Week 13	Lecture
Week 14	Lecture
Week 15	
Week 16	

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives	This course aims to provide a comprehensive understanding of programming in C#, covering fundamental concepts, syntax, and principles essential for developing applications. By the course's end, students will gain proficiency in C# programming, enabling them to design, implement, and troubleshoot C#-based applications.
Module Learning Outcomes	• Syntax Mastery: Understand the syntax and structure of C# to write basic programs. • Variable Handling: Learn to declare variables, assign values, and manipulate data types in C#. • Control Structures: Understand control flow mechanisms like loops and conditional statements to control program execution. • Functions and Methods: Grasp the concept of functions and methods to modularize code and perform specific tasks. • Debugging Proficiency: Acquire the ability to identify and fix common errors in C# code.

Learning and Teaching Strategies	
Strategies	• Theory Lectures: Basic Concepts: Introduce foundational concepts like variables, data types, operators, and control structures (if-else, loops). • Practical Lectures: Have students write simple C# programs like "Hello World", basic arithmetic calculators, or number guessing games. • Mini Projects: Assign small projects like building a contact book or a simple to-do list to practice newly learned concepts. • Quizzes/Tests: Regular quizzes to test understanding of syntax and concepts. • Incremental Challenges: Provide progressively harder exercises (e.g., from basic to more complex algorithms) to reinforce learning.

Module Evaluation

Assessment Types		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	5	10%		
	Assignments	2	2%		
	Projects / Lab.		5%		
	Report	2	3%		
	Presentation		0%		
Summative assessment	Midterm Exam	2hr	30%	7th	
	Prefinal Pr. Exam	2hr	15%	15th	
	Final Exam	3hr	35%	16th	
Total assessment			100% (100 Marks)		

Learning and Teaching Resources

	Text	Available in the Library?
Required Texts	Fundamentals of Computer Programming with C# by Svetlin Nakov.	
Recommended Texts	C# Yellow Book by Rob Miles.	
Websites	https://www.w3schools.com/cs/index.php	

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.

- **Cycle of studies - choose one of the three options: Bachelor «1», Master «2», PhD. «3»**
- **(Exam: Oral Examination, Written Exam), and (Continous Evaluation(CE), Portfolio).**
- **Discipline status (Content) - for the Bachelor level, choose one of the options: FD (Fundamental (General) Discipline), PF (Preparatory Disciplines in the Field), SD (Specialty Disciplines), CD (Complementary Disciplines), DU (Disciplines based on the University's options).**
- **Discipline status (compulsoriness) - choose one of the options**
    a. MD (Mandatory discipline)
    b. OD (Optional Discipline)
    c. ED (Elective (Facultative) Discipline).

Approved by Head of the Branch / Department

Signature	
Date	
Name	

Approved by Curriculum Development Committee and Bologna Process Committee

Signature	
Date	
Name	