Faculty of Computers & Information Technology

Object Oriented Programming

Information :

Course Code :	CSC 224	**Level**	:	Undergraduate	**Course Hours :** 3.00- Hours

Department : Faculty of Computers & Information Technology

Instructor Information :

Title	Name	Office hours
Lecturer	Mohamed Ahmed Hussein Ali	9
Teaching Assistant	Ayman Adel Moner Iskandar Matta	
Teaching Assistant	Mahinda Mahmoud Samy Ahmed Zaki Zidan	

Area Of Study :

This course teaches object-oriented programming. Object-orientated programming offers a natural method for designing software systems that build on the concepts of data abstraction, information hiding and modularity. Students will design and implement solutions to problems using an object-oriented programming language.

Description :

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Course outcomes :

a.Knowledge and Understanding: :

1 -	To understand the principles of Object Oriented Programming

b.Intellectual Skills: :

1 -	Understand the mathematics, algorithms design, and Programming skills needed to develop applications

c.Professional and Practical Skills: :

1 -	Use JAVA programming language, and associated libraries, to develop Computer application

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Primitive Data Types and Operations	4	2	2
Control Statements	4	2	2
Methods - Arrays – String	4	2	2
Objects and Classes- Inheritance	4	2	2
Graphical User Interface (GUI)	4	2	2

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Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Using Colors, Fonts, and Font Metrics Drawing Geometric Figures	4	2	2
Midterm -1	3	1	2
Applets	4	2	2
Graphics and Imaging-1	4	2	2
Midterm-2	3	1	2
Graphics and Imaging-2	4	2	2
Graphics Color	4	2	2
Java networking-1	4	2	2
Java networking-2	4	2	2

Teaching And Learning Methodologies :

Lectures

Exercises

Projects

Practical training

Presentation

Open Discussion

Web-Site searches

E. Learning

Self Studies

Case Study

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments	5.00	4	
Attendance	5.00	2	
Final Exam	40.00	12	
Mid-term Exam 1	15.00	7	
Mid-term Exam 2	15.00	10	
Project	20.00	11	To develop an related application

Recommended books :

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1. Harold, Elliotte, JAVA Network Programming, Third Edition, O'Reilly Media,
2. Herbert Schildt, Java: The Complete Reference, McGraw-Hill Osborne Media; 7 edition,
3. Peter DePasquale, Java Backpack Reference Guide, Publisher: Addison Wesley

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