

Object Oriented Programming

- **Course number and name:**
CC 316 – Object Oriented Programming
- **Credits and contact hours**
Credits Hours: 3Hrs
Contact Hours: In Lecture 2Hrs, In Tutorial 2Hrs
- **Instructor's or course coordinator's name**
Coordinator Name: Prof. Dr. Ahmed Fahmy
- **Text book, title, author, and year**
 - Introduction to Java Programming by Y. Daniel Liang.
- **Specific course information**
 - Catalog description**
OO modeling and development: classes – objects – inheritance – GUI interfaces – applets – Multithreading – networking.
 - prerequisites or co-requisites**
Prerequisites: CC319
 - Type of the course (required, elective, or selected elective course) in the program**
Required Course
- **Specific goals for the course**
 - Specific outcomes of instruction**
After the completion of this course the students will be able to:

	Course Learning Outcomes	SO
1	Understand, list and express OOP concepts.	M
2	Analyze programs in OO manner.	C
3	Define objects and their interrelationship.	C
4	Design & Implements programs in Java OO language.	D

Topics to be covered

- Overview of Java Language
- Object Based & Object Oriented programming
- GUI design
- Advanced GUI design
- Applets & intro to HTML
- Files, Streams & I/O
- Networking
- Multithreading
- Exception Handling
- Intro. To Internet programming