




Benha University

Advanced Programming ENG 505

Computer Systems Engineering
Electrical Engineering Department



Faculty of Engineering
(at Shoubra)

- Course Title:** Advanced Programming
Course Code: ENG 505
Course Page: <http://www.bu.edu/eng/staff/islam.elshaarawy-courses>
Instructor: Dr. Islam ElShaarawy (<http://www.bu.edu/eng/staff/islam.elshaarawy>)
Main Textbook: Paul Deitel and Harvey Deitel. *Java How to Program (early objects)*. 9th Edition, Deitel & Associates, Inc., 2011, ISBN 978-0132575669.
Other References: <http://docs.oracle.com/javase/> 
<http://www.tutorialspoint.com/java/> 

Course Contents:

1. Introduction
 - a) Introduction to Computers, Computer Programming, and Java
 - b) Introduction to Object-Oriented Programming
2. Control Statements
3. Methods
4. Arrays
5. Classes and Objects
6. Inheritance
7. Polymorphism
8. GUI Components
9. Graphics and Java2D
10. Multimedia

Attendance Policy:

1. Attendance is compulsory.
2. **Reading the relevant chapter(s) ahead of lectures is essential.**
3. Keeping track of whatever happens during the lectures is the student responsibility regardless of attendance.
4. **Leaked solution manual as well as any other resources (unless otherwise specified) should never be used for solving the assignments.**
5. Side talking, cellphones, laptops, food/drinks, and walking¹ are not allowed.



Grading System:

Attendance²:	000
Assignments:	020
Quizzes:	020
Midterm Exam:	030
Oral (Project):	030
Final Exam:	200
Total	300

1 If you are late for the lecture, then you are allowed to walk into the lecture hall but quietly.
2 Attendance will be taken anyway.