

# Course Syllabus

## ADVANCED PROGRAMMING

**Instructor:** Fadel Khudadh

**Class Hours:** Computer Department - Lab 2- Sun, Tue 11:00 AM to 1:00 PM.  
- Lab 2- Thu 11:00 AM to 12:00 AM.

**Office Hours:** Computer Department – Sun, Tue 1:00 PM to 2:00 PM.  
– Thu 12:00 PM to 1:00 PM.

**E-mail:** [me@fadelk.com](mailto:me@fadelk.com)

**Website:** [www.fadelk.com](http://www.fadelk.com) --> Java --> **Java173 Advanced Programming**

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### Course Description:

This course is a continuation of CS103 programming fundamentals, using the same programming language; the course will extend the object-oriented programming principles to a moderate technical level of details. Apart from creating and manipulating members, objects, and classes, using an up-to-date Integrated Development Environment (IDE), the course will start by recapping the previous programming course arrays manipulation section, adding the applications of arrays as well (Sorting and Searching), Emphasis is placed on abstraction, encapsulation, inheritance, and polymorphism as the major four concepts of Object Oriented Principles. The course will introduce basic File Input/output, and Exception handling. Upon completion, students should be able to understand, code, test, and debug a class diagram of more than five classes.

### Text/Materials:

#### Text:

Order your book online from [amazon.com](http://amazon.com) -->

[Text] Java Programming Guided Learning with Early Objects

[Author] D.S Malik & Robert P. Burton

[Publisher] Course Technology Incorporated

[ISBN13] 978-1-4239-0162-4 [ISBN10] 1-4239-0162-2

Handouts provided by the instructor, or posted on the website

#### Software:

YouTube Channel [ MrFadelk ]

Java JDK (latest) , NetBeans (latest), any OS and Internet Browser.

### Teaching Methods:

1. Lectures: Important material and outside relative sources will be covered in class. Students should plan to take careful notes and daily summarize delivered content. Our exam content will stick to the lectures' materials. Class discussion is always encourage, and student procure outside material is your approach to enrich your knowledge .
2. Quizzes: one each weekly. Could be practical.
3. Exams: Two midterm exams, and one comprehensive final exam. Exams will be closed notes, and will test material discussed in class. The instructor reserves the right to distribute a summary sheet for certain technologies during exams.
4. Practical Exam: intended to measure the student practical competency in dealing with Web technologies.
5. Participation: Student participation will be graded as bonus mark i.e. five marks maximum.

### Grading:

Total points will be computed as follows. The total points for quizzes, midterms , and practical exam may vary.

Activity	Grade
Quizzes	20 %
Midterm Exam	20 %
Course Project	10 %
Final Exam	50 %
Total	100 %

Grading System: 100 total assigned points

Letter	Grade
A	[ 90 -100 ]
B	[ 80 – 90 ]
C	[ 70 - 80 ]
D	[ 60 - 70 ]

### Course Policies:

Missed Classes: The student is responsible for understanding material discussed on class days when he/she was absent. This can be done through contacting a classmate who was present or by contacting the instructor during his office hours or via e-mail. Missed quizzes cannot be made up under any circumstances.

Missed Classes: Each missed lecture counts for 2 hours. Missing the first week entitled the student for oral warning. The second missed week entitles the student for written warning; whereas, the third missed week prevents the student from attending the final exam.

Academic Dishonesty: Cheating is a serious offense and may be punished by failure on exam, failure in course; and or expulsion from the College. For more information refer to the "Academic Dishonesty" policy in the college catalog.

Need for Assistance: If you have any condition, such as a physical or learning disability, which will make it difficult for you to carry out the work as I have outlined it, please notify me as soon as possible.

Internet Support: Check the class Web page for handouts, and extra material.

Missed Evaluation:

1. Makeup exam is feasible if supplied with proper documents.
2. Missed quiz will not be retaken - Only best 6 quizzes will be taken.

Course Planner:

Week	Day	Date	Topic	Hours	Total	
Week 1	Sun	12-Feb-2012	Welcome & Syllabus	2	<u>2</u>	
	Tue	14-Feb-2012	Working with NetBeans	2	<u>2</u>	
	Thu	16-Feb-2012		1	<b>10</b>	
Week 2	Sun	19-Feb-2012	Java Objects and Methods	2		
	Tue	21-Feb-2012		2		
	Thu	23-Feb-2012	Teacher Officially Out Of Town			
Week 3	Sun	26-Feb-2012	National Holiday			
	Tue	28-Feb-2012	Java Objects and Methods	2		
	Thu	1-Mar-2012		1		
Week 4	Sun	4-Mar-2012	Arrays Applications (Sorting and Searching)	2		<b>13</b>
	Tue	6-Mar-2012		2		
	Thu	8-Mar-2012		1		
Week 5	Sun	11-Mar-2012		2		
	Tue	13-Mar-2012		2		
	Thu	15-Mar-2012		1		
Week 6	Sun	18-Mar-2012		2		
	Tue	20-Mar-2012		2		
	Thu	22-Mar-2012		1		
Week 7	Sun	25-Mar-2012		Object Oriented Concepts (Abstraction, Encapsulation, Inheritance, and Polymorphism)	2	
	Tue	27-Mar-2012	2			
	Thu	29-Mar-2012	1			
Week 8	Sun	1-Apr-2012	First Midterm Exam			
	Tue	3-Apr-2012	Object Oriented Concepts (Abstraction, Encapsulation, Inheritance, and Polymorphism)	2		
	Thu	5-Apr-2012		1		
Week 9	Sun	8-Apr-2012		2		
	Tue	10-Apr-2012		2		
	Thu	12-Apr-2012		1		
Week 10	Sun	15-Apr-2012		2		
	Tue	17-Apr-2012		2		
	Thu	19-Apr-2012		1		
Week 11	Sun	22-Apr-2012		2		
	Tue	24-Apr-2012		2		
	Thu	26-Apr-2012	1			
Week 12	Sun	29-Apr-2012	Exception Handling	2	<b>4</b>	
	Tue	1-May-2012		2		
	Thu	3-May-2012	1			
Week 13	Sun	6-May-2012	Basic File input / output	2	<b>5</b>	
	Tue	8-May-2012		2		
	Thu	10-May-2012	1			
Week 14	Sun	13-May-2012	Class Project	2	<b>5</b>	
	Tue	15-May-2012		2		
	Thu	17-May-2012	First Midterm Exam			

تابع التقويم الدراسي لكليات التعليم التطبيقي للعام الدراسي 2012 / 2011 الفصل الدراسي الثاني: فصل الربيع		
اليوم	التاريخ	البيان
الأحد	2012/02/05	بدء دوام أعضاء هيئة التدريس والهيئة الإدارية للفصل الدراسي الثاني 2012/2011
الاثنين الثلاثاء	2012/02/06 2012/02/07	فترة المقابلات الشخصية للطلبة المقبولين في الفصل الدراسي الثاني 2012/2011 (كلية التربية الأساسية - كلية العلوم الصحية - كلية التمريض )
الاثنين الثلاثاء	2012/02/06 2012/02/07	ندوات تنويرية للطلبة المستجدين
الثلاثاء	2012/02/07	امتحان مستوى اللغة الإنجليزية للطلبة المستجدين
الأربعاء الخميس	2012/02/08 2012/02/09	فترة الإرشاد والتسجيل للطلبة المستجدين
الأحد	2012/02/12	بداية الدراسة للفصل الدراسي الثاني 2012/2011 وبداية فترة الاضافة والتسجيل المتأخر
الخميس	2012/02/16	آخر موعد لاستلام درجات الامتحانات المؤجلة
الخميس	2012/02/16	آخر موعد لتقديم طلبات المعادلات للطلبة المحولين من داخل وخارج الهيئة
الاحد	2012/02/19	انتهاء فترة الإضافة والتسجيل المتأخر
الخميس	2012/03/15	آخر موعد لاستلام الجداول الدراسية للفصل الدراسي الصيفي 2012/2011 من الأقسام العلمية

تابع التقويم الدراسي لكليات التعليم التطبيقي للعام الدراسي 2012 / 2011 الفصل الدراسي الثاني: فصل الربيع		
اليوم	التاريخ	البيان
الخميس	2012/03/22	آخر موعد لاستلام الجداول الدراسية للفصل الدراسي الأول 2013/2012 من الأقسام العلمية
الخميس	2012/03/29	آخر موعد للانسحاب من المقررات
الأحد الخميس	2012/04/01 2012/04/05	فترة الإرشاد والتسجيل المبكر للفصل الدراسي الصيفي 2012/2011
الأحد الخميس	2012/04/15 2012/05/03	فترة الإرشاد والتسجيل المبكر للفصل الدراسي الأول 2013/2012
الأحد الخميس	2012/05/06 2012/05/17	تقديم طلبات تغيير التخصص
الخميس	2012/05/17	آخر موعد لتقديم طلبات الانسحاب الكلي من جميع المقررات
الخميس	2012/05/17	آخر يوم في الدراسة للفصل الدراسي الثاني 2012/2011
السبت الخميس	2012/05/19 2012/05/31	فترة الامتحانات النهائية للفصل الدراسي الثاني 2012/2011
الاثنين	2012/06/04	آخر موعد لتسليم التقديرات لمقررات الفصل الدراسي الثاني 2012/2011
الأحد	2012/06/10	بدء العطلة الصيفية لأعضاء هيئة التدريس للعام الدراسي 2012/2011