

Course Syllabus

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1	Course title	Certified Software
2	Course number	1901459
3	Credit hours (theory, practical)	3 Credit Hours, taught in a specialized smartphone lab
	Contact hours (theory, practical)	3
4	Prerequisites/corequisites	CS Department Approval
5	Program title	B.Sc. in Computer Science
6	Program code	01
7	Awarding institution	The University of Jordan
8	School	King Abdullah II School for Information Technology
9	Department	Computer Science
10	Level of course	4
11	Year of study and semester (s)	Spring Semester – 2013/2014
12	Final Qualification	BSc
13	Other department (s) involved in teaching the course	-
14	Language of Instruction	English
15	Date of production/revision	Elective

16. Course Coordinator:

Dr. Sherenaz Al-Haj Baddar, Office hours: 12-1 Sundays and Tuesdays and by appointment, Tel: 065355000, ext. 22589, Office number: 121 Email: s.baddar@ju.edu.jo

17. Other instructors:

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18. Course Description:

This course is designed to help students to gain rapid software application skills such as: Solaris System Software, Sun, Unix, Cisco, MSE and others. In this course the student will be able to develop and design a web applications and services, mobile applications and others using certified software's from Microsoft company or certified software's to achieve the final goal of the course which is getting an intentional certificate from international companies. Weekly practice in the lab.

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19. Course aims and outcomes:

<p>A- Aims:</p> <p>The main goal of this course is to equip students with knowledge about Android application development, as well as the skills required to design and implement different mobile applications.</p> <p>B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to</p>
A. Knowledge and Understanding: students should
A1. Understand the main concepts of mobile application development.
A2. Understand the basic components of Android as an open-source software.
A3. Understand concepts of Intents, Broadcast receivers and working in the background
B. Intellectual Skills: students should be able to:
B1. Compare between Android Views, Activities, and Fragments.
B2. Compare between Intents, Broadcast receivers, and services
B3. Compare between the basic Android layouts.
C. Subject Specific Skills: students should be able to:
C1. Be familiar with eclipse as an IDE for developing Android applications
C2. Be able to develop and run Android applications on Android's Emulator
C3. Be able to develop and run Android applications on mobile devices.
D. Transferable Skills: students should be able to:
D1. Work in groups as well as individually to design and implement mobile applications
D2. Work in groups to describe Advanced Features in Android

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Introduction <ul style="list-style-type: none"> • Android Overview • Installing and launching Android IDE tools 	1	Dr. S. Al-Haj Baddar	A1,A2	Quizzes and Exams	Textbook: Chapter 1
Creating Applications and Activities <ul style="list-style-type: none"> • Create your first android application • Main building blocks 	2	Dr. S. Al-Haj Baddar	C1	Quizzes and Exams	Textbook: Chapter 4
<ul style="list-style-type: none"> • Building User 	3	Dr. S. Al-Haj	B1,B3	practical	

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Interfaces		Baddar		exercise	
•Layouts Views					
	4	Dr. S. Al-Haj Baddar		practical exercise	
	5	Dr. S. Al-Haj Baddar		practical exercise	
	6	Dr. S. Al-Haj Baddar		practical exercise	
	7	Dr. S. Al-Haj Baddar		Midterm Exam	
	8	Dr. S. Al-Haj Baddar		practical exercise	
	9	Dr. S. Al-Haj Baddar		practical exercise	
	10+11	Dr. S. Al-Haj Baddar		practical Exam	
	12	Dr. S. Al-Haj Baddar		practical exercise	
	13	Dr. S. Al-Haj Baddar		practical exercise	
	14+15	Dr. S. Al-Haj Baddar		Student presentation	
	16	Dr. S. Al-Haj Baddar		Final Exam	

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

23. Course Policies:

- A- Attendance policies:
- B- Absences from exams and handing in assignments on time:
- C- Health and safety procedures:
- D- Honesty policy regarding cheating, plagiarism, misbehavior:
- E- Grading policy:
- F- Available university services that support achievement in the course:

24. Required equipment: (Facilities, Tools, Labs, Training....)

25. References:

Required book (s), assigned reading and audio-visuals:

Recommended books, materials, and media:

26. Additional information:

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Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----