	The Hashemite University Faculty of Prince Al-Hussein bin Abdullah II for Information Technology Department of Software Engineering	

Course Syllabus

Year: 2017/2018 **Semester: Spring**

Course No.	Course Title	Designation	Prerequisite	Co-requisite	Credit Hours Lectures /Lab
151003437	Requirements Engineering	Elective	151003221	-	3/0

Instructor Name	E-mail	Office No.	Office ext.	Office Hours
Dr. Khaled Almakadmeh	khaled.almakadmeh @hu.edu.jo	321	-	**Typical sessions:** Sunday (10-11) Tuesday (10-11) **Virtual sessions:** Every Sunday @ 08:00 – 09:00 AM

Coordinator's Name:	Dr. Khaled Almakadmeh
Course Resources	Moodle: http://www.mlms.hu.edu.jo/course/view.php?id=2588 Facebook Group: Requirements Engineering || Spring 2018 || Hashemite University

Course Description	Requirements engineering is one of the least understood and hardest phases in the development of software products, mainly because requirements are often unclear in the minds of most stakeholders. This course deals with the identification of stakeholders, the elicitation and verification of requirements from them, and translation into detailed requirements for a new software product, analysis and modeling of requirements, the first steps in the direction of software design and the quality assurance aspects of the software requirements phase of the software development process.

Learning References:

Textbook:
1. Roger Pressman and Bruce R. Maxim, Software Engineering A Practitioner's Approach, 7th Edition – Mc Grow Hill, 2015.

Course Intended Learning Outcomes (ILOs)

Upon successful completion of this course, students expected to achieve the following learning outcomes:

1. An ability to describe software requirements engineering principles.
2. An ability to analyze the software requirements engineering process.
3. An ability to discuss different software process models.
4. An ability to discuss agile development of software projects.
5. An ability to apply methods to elicit and model software requirements from stakeholders of software projects.

Course Schedule:

Topic Details	Course ILO	Reference	No. of Weeks
Software and Software Engineering	1	1	1
Process Models	2	2	2
Agile Development	2	3	2
RE Principles that Guide Practice	3	4	2
Understanding Requirements	4	5	2
Requirements Modeling: Scenarios, and Analysis Classes	5	6	3
Requirements Modeling: Flow, Behavior, and Web Apps	5	7	2
Total			**14**

Assessment Methods and Grading System:

Assessment method	Grade	Comments
First Exam	25%	Covers Chapters 1, 2
Second Exam	25%	Covers Chapters 3, 4
Assignments	10%	T.B.A. on Moodle
Final Exam	40%	Covers Chapters 1, 2, 3, 4, 5, 6, and 7
Total	100%	

Important Dates:

28/01/2018	Classes Begin
25/02/2018	First Exam: 02:00 – 03:00 Rooms: T.B.A.
29/03/2018	Assignment #1 due date [submission via Moodle]
01/04/2018	Second Exam: 02:00 – 03:00 Rooms: T.B.A.
20/04/2018	Assignment #2 due date [submission via Moodle]
26/04/2018	Last day to drop this course
03/05/2018	Classses End
5-17/5/2018	Final exams [date and location announced by Registrar]