Computer Science Department
Prince Hussein bin Abdullah 'IT' College
Al al-Bayt University
Course Syllabus

Course No.: 0901341
Course Name: Software Engineering
Semester: Summer

Course Classification: Compulsory
Time Division: 4 Lectures
Academic Year: 2017-2018

Course Description: (3 Credit Hours, Prerequisite: 0901340)

Software Engineering introduces the student to the discipline of software engineering. Examines all phases of the software development life cycle, from initial planning through implementation and maintenance. Particular emphasis is placed on designing, producing, and testing well-structured programs.
Students will study UML mainly by self-learning. The instructor will provide materials and guidance for using it, and students are expected to learn and practice after class.

Course Objectives:

Software Engineering provides an introduction to the software engineering discipline and the roles within it. Software development depends on an in-depth understanding of how the phases and activities of the software development life cycle work together. The application of software engineering practices throughout the cycle improves the likelihood of delivering a quality software project on time, in scope and within budget. The students will learn how each phase of the life cycle contributes to a product that satisfies user/client requirements.

Tentative Course Outline/Schedule:

No.	Topic	Hours	No.	Topic	Hours
1	Introduction on Software Engineering	2	8	Database Design & Construction	5
2	Software Engineering Methodologies	2	9	Software Testing (Verification & Validation)	5
3	Feasibility Study	2	10	Software Release	2
4	Software Requirement Specification	3	11	Software Maintenance	2
5	Software High Level Design & Modeling	5	12	Configuration & Version Management	2
6	Software User Interface Design & Construction	5	13	Software Project Management	3
7	Software Middle Layer Design & Construction	6			

Textbook:

Foundation of Software Engineering, A. Ahmed and B. Prasad, CRC Press – Taylor & Francis, 2016.

Grading:

Mid-term Exams (2): 50%   **Final Exam: 50%**
The instructor encourages everyone to participate in class activities, discussions, and respond to questions from other students and complete in/out-class writing assignments.

Academic Success Support:

As your instructor, I am personally committed to supporting your academic success in this course. For that reason, if you demonstrate any academic performance or behavioral problems which may impede your success, I will personally discuss and attempt to resolve the issue with you.

Instructor's Information:

Name: Prof. Omar Shatnawi   Office No.: 30/1
E-Mail: dromali@aabu.edu.jo   Office Tel.: 3354

Sunday, Monday, Tuesday, Wednesday		
Class	Hall	Time
01	204 IT	09:30-11:00