The Hashemite University

الجامعـــــة الهاشميـــــة

Deanship of Academic Development and International Outreach

عمادة التطوير الأكاديمي والتواصل الدولي

Software Project Management (2010031436)

Second Semester 2021/2022

COURSE INFORMATION	
Course Name: Software Project Management **Semester:** Second Semester 2021/2022 **Department:** Department of Software Engineering **Faculty:** Prince Al-Hussein Bin Abdullah II Faculty for Information Technology	**Course Code: 2010031436** **Section:** Mandatory **Core Curriculum**:
Day(s) and Time(s): Section 1: Sun, Tue, Thu 11:00-12:00 Section 2: Sun, Tue, Thu 02:00-03:00 **Classroom:** Section 1 : KHB101, Section2: IT201	**Credit Hours:** 3 **Prerequisites**: 2010031260 - Fundamentals of Software Engineering

COURSE DESCRIPTION

Three Credit Hours. This course is a graduate-level introductory course in software project management. The course provides students with the basic skills required to manage software projects successfully in the areas of managing people, processes, tools and measurements. The course helps students in planning for software projects, forming their vision and organizing resources. The course also focuses on software estimation and schedule techniques, project implementation and control.

DELIVERY METHODS

The course will be delivered through a combination of active learning strategies. These will include:

- PowerPoint lectures and active classroom based discussion
- Video lectures
- E-learning resources: e-reading assignments and practice quizzes through Model and Microsoft Team

FACULTY INFORMATION

Name	**Haneen Hijazi**
Academic Title:	**Instructor**
Office Location:	**IT 338**
Telephone Number:	
Email Address:	**haneen@hu.edu.jo**

Office Hours:	**Sun, Tue, Thu** 10:00-11:00 *Please send an e-mail (haneen@hu.edu.jo) to meet at any other time.*

REFERENCES AND LEARNING RESOURCES

Required Textbook:

- "Introduction to Information Systems Project Management", David Olson. Business Expert Press , 1st edition 2015
- "Software Project Management, A Real-World Guide to Success", Joel Henry. Addison Wesley, 1st edition 2004.

Suggested Additional Resources:

- "Effective Software Project Management", Robert K. Wysocki, 2006, 1st edition, Wiley. Software Engineering: Principles and Practice (3rd Edition). Hans van Vliet, Wiley, 2008
- "Information Technology Project Management", Kathy chwalbe, 2010, 6th edition, Course Technology.

STUDENT LEARNING OUTCOMES MATRIX*

Core Curriculum Learning Outcomes	Program Learning Outcomes	Course Objectives	Course Student Learning Outcomes	Assessment Method
	[ET3] Knowledge and understanding of management techniques, including project management, that may be used to achieve engineering objectives.	• Students will understand the fundamental principles of software project management. • Students will recognize issues related to project success or project failure. • Students will have a good knowledge of responsibilities and skills of project manager. • Students will be introduced to advanced methods and tools of project management.	• [CLO1] Manage basic components of software projects including people, processes, tools, measurements and project vision	Exam
	[ET6] Knowledge and understanding of risk issues, including health & safety, environmental and commercial risk, and of risk assessment and risk management techniques.		• [CLO1] Manage basic components of software projects including people, processes, tools, measurements and project vision • [CLO7] implement, monitor and control a software project	Exam
	[EP1] Understanding of contexts in which engineering knowledge can be applied (e.g. operations and management, application and development of technology, etc.).		• [CLO4] Recognize software development concepts. • [CLO7] implement, monitor and control a software project	Exam
	[ET2] Knowledge and understanding of the commercial, economic and		• [CLO2] Select, Evaluate and approve projects.	Exam

	social context of engineering processes.			
	[D5] Plan and manage the design process, including cost drivers, and evaluate Outcomes.		• [CLO3] Select, prepare, organize and plan a software project. • [CLO5] Estimate project size, effort, duration and resources • [CLO6] Schedule projects activities and solve scheduling problems[D5].	Exam + Assignment

ACADEMIC SUPPORT

It is The Hashemite University policy to provide educational opportunities that ensure fair, appropriate and reasonable accommodation to students who have disabilities that may affect their ability to participate in course activities or meet course requirements. Students with disabilities are encouraged to contact their Instructor to ensure that their individual needs are met. The University through its Special Need section will exert all efforts to accommodate for individual's needs.

Special Needs Section:
Tel:
Location:
Email:

COURSE REGULATIONS

Participation

Class participation and attendance are important elements of every student's learning experience at The Hashemite University, and the student is expected to attend all classes. A student should not miss more than 15% of the classes during a semester. *Those exceeding this limit of 15% will receive a failing grade regardless of their performance*. It is a student's responsibility to monitor the frequency of their own absences. **Attendance record begins on the first day of class irrespective of the period allotted to drop/add and late registration. It is a student's responsibility to sign-in; failure to do so will result in a non-attendance being recorded.**

In exceptional cases, the student, with the instructor's prior permission, could be exempted from attending a class provided that the number of such occasions does not exceed the limit allowed by the University. The instructor will determine the acceptability of an absence for being absent. A student who misses more than 25% of classes and has a valid excuse for being absent will be allowed to withdraw from the course.

Plagiarism

Plagiarism is considered a serious academic offence and can result in your work losing marks or being failed. HU expects its students to adopt and abide by the highest standards of conduct in their interaction with their professors, peers, and the wider University community. As such, a

student is expected not to engage in behaviours that compromise his/her own integrity as well as that of the Hashemite University.
Plagiarism includes the following examples and it applies to all student assignments or submitted work:

- **Use of the work, ideas, images or words of someone else without his/her permission or reference to them.**
- **Use of someone else's wording, name, phrase, sentence, paragraph or essay without using quotation marks.**
- **Misrepresentation of the sources that were used.**

The instructor has the right to fail the coursework or deduct marks where plagiarism is detected

Late or Missed Assignments

In all cases of assessment, students who fails to attend an exam, class project or deliver a presentation on the scheduled date without prior permission, and/or are unable to provide a medical note, will automatically receive a fail grade for this part of the assessment.

- Submitting a term paper on time is a key part of the assessment process. Students who fail to submit their work by the deadline specified will automatically receive a 10% penalty. Assignments handed in more than 24 hours late will receive a further 10% penalty. Each subsequent 24 hours will result in a further 10% penalty.
- In cases where a student misses an assessment on account of a medical reason or with prior permission; in line with University regulations an incomplete grade for the specific assessment will be awarded and an alternative assessment or extension can be arranged.

Student Complaints Policy
Students at The Hashemite University have the right to pursue complaints related to faculty, staff, and other students. The nature of the complaints may be either academic or non-academic. For more information about the policy and processes related to this policy, you may refer to the students' handbook.

COURSE ASSESSMENT

Course Calendar and Assessment
Students will be graded through the following means of assessment and their final grade will be calculated from the forms of assessment as listed below with their grade weighting taken into account. The criteria for grading are listed at the end of the syllabus

Assessment	Grade Weighting	Deadline Assessment
Mid Exam	40 %	

Assignments and Quizzes	20%	
Final Exam	40%	

Description of Exams

Test questions will predominately come from material presented in the lectures. Semester exams will be conducted during the regularly scheduled lecture period. Exam will consist of a combination of multiple choice, short answer, or descriptive questions.

No make-up exams, homework or quizzes will be given. Only documented absences will be considered as per HU guidelines.

Grades are not negotiable and are awarded according to the following criteria*:

Letter Grade	Description	Grade Points
A+	Excellent	4.00
A		3.75
A-		3.50
B+	Very Good	3.25
B		3.00
B-		2.75
C+	Good	2.50
C		2.25
C-		2.00
D+	Pass	1.75
D	Pass	1.50
F	Fail	0.00
I	Incomplete	-

WEEKLY LECTURE SCHEDULE AND CONTENT DISTRIBUTION		
Topic	**Chapter in Text**	**Week #**
Managing People	Ch1–Henry	Week1, Week2
Process Management	Ch2–Henry	Week3
Software tools	Ch3–Henry	Week3
Software measurements	Ch4–Henry	Week4
Project vision	Ch5–Henry	Week5
Project Selection and Approval	Ch4–Olson	Week5
System development management	Ch5–Olson	Week6
Project planning	Ch6–Olson	Week7
Software estimation methods	Ch6–Olson	Week8

Scheduling	Ch7–Olson	Week9
Project control	Ch8–Olson	Week10
Project implementation	Ch9–Olson	Week11