



KINGDOM OF SAUDI ARABIA
IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY
COLLEGE OF COMPUTER AND INFORMATION SCIENCES
INFORMATION SYSTEMS DEPARTMENT
BACHELOR IN INFORMATION SYSTEMS

المملكة العربية السعودية
جامعة الإمام محمد بن سعود الإسلامية
كلية علوم الحاسب والمعلومات
قسم نظم المعلومات
بكالوريوس نظم المعلومات

SYLLABUS

IS1376: Software Quality and Experience

CREDIT HOURS	3 credit hours (lectures:3)	PREREQUISITE	No Pre-requisites
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Instructor:
Contact information and office hours
Office No: To be announced (TBA)
Office Hours: TBA
E-mail: _____@imamu.edu.sa

COURSE DESCRIPTION
The aim of this course is to introduce students the knowledge of the processes, methods, techniques and tool that organizations use for Software Quality Assurance.

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	Describe the main concepts of software quality assurance	1(I)
1.2	Recognize the fundamental definitions and terminology of software quality assurance	1(P)
1.3		
1.4		
1.5		
2	Skills :	
2.1	Apply the software quality assurance tools and techniques	2(P)
2.2		
2.3		
2.4		
2.5		
3	Values:	



3.1	Function effectively on teams to accomplish a common goal.	5(P)
3.2	Present a topic in a compelling manner.	3(P)
3.3		
3.4		
3.5		

TEACHING Strategies	
Lectures	
Self-Learning	

No	List of Topics	Contact Hours	Self-Learning
1	Introduction to Software Quality Assurance	3	
2	Software Development Lifecycle and its Process	3	
3	Testing Methodologies: Software Testing, Gray Box Testing,	6	
4	Testing Methodologies: Black box Testing, White box testing	6	
5	Levels of Testing; Integration Testing	3	2
6	System Testing; Acceptance Testing	3	2
7	Object Management; Checkpoints	3	
8	Output Values; Parametrization	3	
9	Best practices in QTP	3	2
10	Project Discussions	3	
11			
12			
Total		36	6

TEXT BOOK
QA Quality Assurance and Software Testing Fundamentals; Author: Liliana Iancu; 2019

REFERENCES

Course Assessment Methods			
No	Assessment Method	Due Week	% of Total Assessment
1	Quiz	4	10
2	Assignment	9	10
3	Midterm	7	20
4	Project / Lab Exam	11	20
5	Final Exam	13	40