Course title			Code	semester	T+U	credit	ECTS			
Software Quality and Assurance				8	3+0	3	6			
Prerequisite Courses		None								
Language of the Course		English								
Course Level		Undergraduate								
Type of Course Course Coordinator		Compulsory								
Course Cool Instructors	rdinator									
Course Assis		The sim of this course is to provide information shout software quality quality								
m		The aim of this course is to provide information about software quality, quality models and standards and methods used in the software industry and to make practical applications.								
Course Content		Introduction to software quality and assurance; software quality measures; establishment of software quality assurance; configuration management; software validation and verification; criticism, review and control; software process improvement models; software testing strategies and testing techniques; bug reporting and debugging; software reliability								
Course Learning Outcomes		 Students who successfully complete this course; Explain the software quality assurance (SQA) activities used in the development and maintenance of software systems. Learns software quality assurance elements such as review, testing, and testing practices and practical concepts for them throughout the software lifecycle. Comparatively learns software quality infrastructure components such as procedures, work instructions and configuration management. Learns quality management components and quality management 								
Weeks		standards such as quality metrics, software quality costs. Topics								
one	Introduction t	on to software quality and assurance								
2	Software qua									
3		• •								
4		verview of software quality assurance system elements oftware process improvement models								
5		-								
6	Software process improvement models									
7	Review, audit, criticism and Procedures and work instructions									
8	Testing strate									
9	Test applicati									
	Test applicati									
10	Configuration	n management								
11th	Software quality metrics									
12	Software qua	lity metrics								
13	Software quality cost									
14	SQA process	SQA process standards and SQA unit								
15	Project Presentations									
			General Con	npetencies						
To be able to	research and le	arn about any gi	ven software	engineering to	echnical con	cept in the m	ost accurate way.			
			resou	rces						
020 Software Qua	1709457 ality: Producing	From Theory to Practical, Cons BN: 1-85032-32	istent Softwar			•				

Software Engineering by Ian Sommerville (7th and 8th Edition) ISBN: 0-321-21026-3, Pearson (Addison Wesley), 2004 and 2006.

Evaluation System

The dates, days and hours of the Midterm Exam, Quiz, Final Exam and Evaluations will be announced later, according to the decision of the Faculty Administrative Board.

	WITH PROGRAM LEARNING OUTCOMES COURSE LEARNING OUTCOMES RELATIONSHIP TABLE											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	
LO1	4	3	3	5	4	4	4	5	5	4	4	
LO2	4	3	3	4	4	3	3	3	5	4	4	
LO3	4	4	3	4	5	3	3	3	3	3	3	
LO4	4	3	3	4	5	3	3	3	3	3	3	
			LO:	Learning	Outcomes	s OP: Prog	gram Outc	omes				
Contri bution Level	1 Very Low		2 Low		3 Medium		4 High		5 Ve	5 Very High		

Relation of Program Outcomes and Related Course

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Software Quality and Assurance	4	3	3	4	4	4	4	4	5	3	3