UNIVERSITY OF PRIZREN
FACULTY OF COMPUTER SCIENCE

PROGRAM: SD

Curriculum - – SYLLABUS							
Level of studies	Bachelor	***Program***	SD	***Academic year***	2018/2019		
SUBJECT	**Software Quallity Assurance**						
Year		***Status Of the subject***	E	***Code***		***ECTS credits***	6
Semester							
Teaching weeks	15			***Hours teaching***	60	***Lectures***	***Exercises***
						2	2
Teaching Methodology	• Presentation of the subject in PowerPoint • Case study or task (for exercise hours) associated with the legitimate topic • Repetition of the previous topic by the designated student group, analysis and discussion • Laboratory exercises in parallel with lectures						
Consultation							
The teacher	**Prof. Asoc. Dr. Naim Baftiu**			***E-mail:***	naim.baftiu@uni-prizren.com		
				Tel.:	+38344234018		
Assistant	Msc. Elissa Mollakuqe. Phd.can			***E-mail:***	elissamollakuqe@gmail.com		
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Study goal and table of content	Benefits of student
This subject offers basic concepts and terminologies that relate to Quality Assurance Software, Quality Control and Testing. In addition, this subject covers the benefits of the overall quality assurance process for both the development and testing of today. It also provides essential knowledge and disciplines where software quality assurance is needed.	At the end of the course, students should learn: • How to analyse and solve the problem of software security • How to use the quality assurance stages to solve the problem • How to write quality assurance reports • Disagreements where software quality assurance reports are developed

Methodology for the implementation of educational topics:
The course will be organized in the form of lectures and exercises. As a rule, the lectures will are organized through presentations. Also, through conversation during lectures and Exercises will be made possible to deepen the knowledge of subject-specific topics
Conditions for realization of educational topics:
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Ways of assessing of the student (in %) :	**Evaluation in%**	**Final grade**
A seminar paper	Up to 10 points and these points are evaluated in the total score from the colloquium and	51-60%- grade 6 61-70% grade 7 71-80% grade 8 81-90 % grade 9 91-100% grade 10

	the final test.	
Mid exam	90% of the points Potential	
Exam	100% of the points potential These points added points from Seminar work	
Total	**100.00 %**	

Obligations of student:

Lectures	Exercises
The student should be regular in the lectures and exercises, I use it all learning opportunities, to use obligatory and wider literature, to be active and respect the rules on high schooling of ethics in courtesy and for cooperation.	The student should be active in exercises and reflect willingness and knowledge for initiatives, ideas and demonstration of knowledge gained in lectures.

Activities	**Hour/ weeks**	**Days/Weeks**	
Lectures	2	15	30
Laboratory exercises	2	15	30
Contacts with teachers / consultations	0.5	15	7.5
Practical work			
Projects, presentations, etc.			
Own study time	2	15	30
Preparation for final exam	1	15	15
Time spent in the assessment (tests, final exam, etc.)			
Notice: 1 ECTS credits= 25 hour commitment, e.g. if the subject has 6 ECTS credits student must have 150 hours during the semester commitment.		**Total load:**	**120**

Week	**Lectures**	**Hour**	**Exercises**	
	Topic		**Topic**	
1	Understanding the term of Software Assurance		Discussion about SA	
2	**Concept of QA**		Discussion about QA concept in practise	
3	**Quality Controll and Variacion controlling**		Analysing of controll and variacion	
4.	**Quality and costs**		Topic about quality and cost calculation	
5.	**Activity for Quality Assurance**		Steps of Activity	
6.	**Mid Exam**			

7.	**Statistical method for QA**		Numerical exercise for QA	
8.	**Activity for controlling quality**		Steps for activity of controlling quality	
9.	**Software testing**		Black box testing and white box testing	
10.	**Development of software systems and life cycle testing**		Discussion about life cycle of softwre	
11.	**Review and inspect software**		Critical issues in software review	
12.	**Inspecting and raporting defect**		Components and inspection factors	
13.	**Reliability and security of the software**		STD and STP reports	
14.	**Reports for QAS**		Assessing potential problems	
15	**Mid Exam 2**			

LITERATURE:

1. Daniel Galin, Software Quality assurance – from theory to implementation, Pearson education, 2009.
2. Alan C Gillies, Software Quality Theory and Management, Cengage Learning, second edition, 2003.

Additional:
Aditya Mathur, Foundations of software testing, Pearson Education, 2008.

NOTICE:

Notice for the student: