

## COURSE DESCRIPTION

COURSE NAME		<b>QUALITY SYSTEMS SOFTWARE</b>					CODE: MISS2207	
STUDY YEAR	MASTER II	SEMESTER	2	COURSE STATUS ( <b>C</b> -compulsory/ <b>OP</b> -optional/ <b>F</b> -facultative)			C	
HOURS PER WEEK				TOTAL HOURS PER SEMESTER	TOTAL HOURS INDIVIDUAL ACTIVITY	CREDITS	EVALUATION ( <b>P</b> -during the semester, <b>C</b> -oral examination, <b>E</b> -written examination, <b>M</b> -mixed)	TEACHING LANGUAGE
C	S	L	Pr.	56	184	8	M	English
2	-	2	-					
COURSE TEACHER		TEACHING AND SCIENTIFIC DEGREE, FIRST NAME, LAST NAME				DEPARTMENT		
		PROF. DR. DOREL LUCANU				Computer Science		
PREVIOUS COURSES REQUESTED		Engineering software systems (programming Engineering)						
OBJECTIVES		Understanding the main elements that define the quality of software. Familiarization with the testing methods and analysis software.						
GENERAL DESCRIPTION		What is the quality of software? Quality Engineering Quality Testing software systems (concepts, activities, techniques, case studies) beyond quality assurance test (code inspection, formal verification, fault tolerance to) improve the quality of quantification (monitoring, measuring, quality models, analysis and classification of defects ) systems analysis software.						
DESCRIPTION OF SEMINARY / LABORATORY WORKS		Working for individual projects that reflect the different activities to assure quality. Presentation of case studies. Reports.						
TEACHING METHODS		Interactive lectures, practical work						
BIBLIOGRAPHY (SELECTION)		Robert V. Binder Testing Object-Oriented Systems: Models, Patterns, and Tools. Addison-Wesley Professional, 1999 Jeff Tian. Software Quality Engineering: Testing, Quality Assurance, and Quantifiable Improvement. John Wiley and Sons, Inc., and IEEE Computer Society Press, 2005						
EVALUATION		conditions	Laboratory activity. Themes. Written exam					
		criteria	Each condition must be fulfilled to obtain at least a grade 5					
		evaluation methods	Laboratory work (40%); Themes 20%, written examination (40%), presentation of reports is a bonus.					
		final result - formula	Activity laboratory x 0.4 + theme x 0.2 + Exam x 0.4 + Reports					