

UNIVERSITY OF NIŠ

ulty	Faculty of Mechanical Engineering				
GENERAL INFORMATION					
Mechanical Engineering					
Quality Assurance in Mechanical Engineering					
⊠ Bachelor ☐ Master's ☐ Doctoral					
☐ Obligatory⊠ Elective					
☐ Autumn ☐ Spring					
IV					
5					
Stefanović-Marinović D. Jelena					
 ☑ Lectures ☑ Group tutorials ☑ Individual tutorials ☑ Seminar ☑ Distance learning ☑ Other 					
PURPOSE AND OVERVIEW (max. 5 sentences)					
Students will be introduced with theoretical basis, defining and management of mechanical system quality. Also machine system testing and standards for quality insurance are the parts of the course.					
	Mechar Quality As Bachel Obligation Autum IV Stefanov Lecture Labora Distance				

SYLLABUS (brief outline and summary of topics, max. 10 sentences)

- Quality planning and development. Quality characteristics and their classification
- Development and design process analyze
- Product quality management. Basis of TQM
- Level of mmechanical system quality. The method estimates the level of quality. Quality at the stages of production.
- Basics of metrology and testing of mechanical systems. The principle of measurement of physical quantities electrically. Experimental determination of stress and strain.
- Standardization and quality assurance of mechanical systems. International, national and internal standardization. Standards and models for product quality assurance. ISO 9000 series of standards.

LANGUAGE OF INSTRUCTION						
⊠Serbian (complete course) ⊠ English	(complete course)	☐ Other	(complete course)		
☐Serbian with English ment	oring □Serbian	with other mentoring				
ASSESSMENT METHODS AND CRITERIA						
Pre exam duties	Points	Final exam		points		
Activity during lectures	5	Written examination				
Practical teaching		Oral examination		40		
Teaching colloquia	55	OVERALL SUM		100		
*Final examination mark is formed in accordance with the Institutional documents						