UNIVERSITY OF NIŠ

Course Unit Descriptor	Faculty	

GENERAL INFORMATION	
Study program	Mechanical engineering
Study Module (if applicable)	
Course title	APPLIED TECHNOLOGY OF PLASTICTY
Level of study	☒ Bachelor ☐ Master's ☐ Doctoral
Type of course	☐ Obligatory ☒ Elective
Semester	☐ Autumn ☒ Spring
Year of study	Third
Number of ECTS allocated	6
Name of lecturer / lecturers	Saša S. Ranđelović
Teaching mode	☒Lectures ☐Group tutorials ☐ Individual tutorials ☐ Laboratory work ☒ Project work ☐ Seminar ☐ Distance learning ☐ Blended learning ☐ Other

PURPOSE AND OVERVIEW (max. 5 sentences)

ntroduce students to the basics of sfety engineering, its role in the modern business system that is permanently exposed to the risks and dangers that result in loss of small or a large scale. Ability mechanical engineer to review and identify the place of safety engineering business system improvement and minimzation fault with the support of software tools.

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

Theory: 1. Introduction to safety engineering. 2. Risk, place and role in the business system , risk management in safety 3. Process model of the business system, 4. Specialized areas of safety, industrial safety 5. Corporate industrial safety 6. Safety software engineering 7. Safety technical system and design 8. Application of methods of risk analysis, 9. Risk analisys and crisis management 10. Decisions based on risk evoluation 11. The collection and recording errors, causes of errors and corrective measures 12. The criteria for the evaluation and value 13. Ccase studies and implemented solutions

LANGUAGE OF INSTRUCTION			
☒Serbian (complete course) ☒ English (complete course) ☐ Other _____ (complete course) ☐Serbian with English mentoring ☐ Serbian with other mentoring _____			
ASSESSMENT METHODS AND CRITERIA			
Pre exam duties	**Points**	**Final exam**	**points**
Activity during lectures	**10**	**Written examination**	
Practical teaching	**40**	**Oral examination**	**30**
Teaching colloquia	**20**	**OVERALL SUM**	**100**
***Final examination mark is formed in accordance with the Institutional documents**			