	UNIVERSITY OF NIŠ		
Course Unit Descriptor	**Faculty**	Faculty of Mechanical Engineering	

GENERAL INFORMATION

Study Program	**Management in Engineering**
Study Module (if applicable)	-
Course Title	Business statistic
Level of Study	☒Bachelor ☐ Master's ☐ Doctoral
Type of Course	☒ Obligatory ☐ Elective
Semester	☐ Autumn ☒ Spring
Year of Study	I
Number of ECTS Allocated	
Name of Lecturer/Lecturers	Melanija Mitrović
Teaching Mode	☒ Lectures ☒ Group tutorials ☒ Individual tutorials ☐ Laboratory work ☐ Project work ☐ Seminar ☐ Distance learning ☐ Blended learning ☐ Other

Purpose and Overview (max. 5 sentences)

Introduce students to the basics of the business statistics. A typical business statistics course covers statistical study, descriptive statistics (collection, description, analysis, and summary of data), probability, and the binomial and normal distributions, test of hypotheses and confidence intervals, linear regression, and correlation. The course is targeting both the theoretical and practical aspects of the topics.

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

1) *Introduction to Probability;*
2) *Random variables;*
3) *Numerical characteristics of random variables;*
4) *Basic elements of statistics;*
5) *Parameter estimation;*
6) *Testing parameter hypotheses;*
7) *Nonparametric testing;*
8) *Linear regression.*

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**	60
Practical Teaching		**Oral Examination**	Max. 30 (depending on Teaching Colloquia)
Teaching Colloquia	90	**Overall Sum**	100
*Final examination mark is formed in accordance with the Institutional documents			