



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Engineering Management		
Study Module (if applicable)	Industrial management		
Course Title	Technology and business prediction		
Level of Study	<input type="checkbox"/> Bachelor	<input checked="" type="checkbox"/> Master's	<input type="checkbox"/> Doctoral
Type of Course	<input checked="" type="checkbox"/> Obligatory	<input type="checkbox"/> Elective	
Semester	<input checked="" type="checkbox"/> Autumn	<input type="checkbox"/> Spring	
Year of Study	I		
Number of ECTS Allocated	6		
Name of Lecturer/Lecturers	Miodrag T. Manić, Vladislav Blagojević		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input checked="" type="checkbox"/> Laboratory work	<input checked="" type="checkbox"/> Project work	<input checked="" type="checkbox"/> Seminar
	<input type="checkbox"/> Distance learning	<input type="checkbox"/> Blended learning	<input type="checkbox"/> Other

Purpose and Overview (max. 5 sentences)

Introduce students with the essence, methods and techniques in the field of prediction technology, trends and other market tendencies as an essential aspect of the activity of each manager.

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

1) Introduction to technology prediction basic concepts and definitions, 2) The current passes in predicting technology - exploratory, and technological - normative 3) The selection of forecasting methods. Selection of parameters and collect data to predict, 4) Exploratory methods and forecasting techniques: brainstorming, Delphi, morphological analysis and extrapolation of trends, 5) Normative techniques and predictive methods: tree relevance and PATTERN methods. AHP methods and Expert Choice, 6) Application of expert systems.

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	20

Practical Teaching	10	Oral Examination	20
Teaching Colloquia	40	Overall Sum	100

***Final examination mark is formed in accordance with the Institutional documents**