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	Projects and investment management		
Level of Study	☐Bachelor	☒Master's	☐ Doctoral
Type of Course	☐Obligatory	☒Elective	
Semester	☐Autumn	☒Spring	
Year of Study	I		
Number of ECTS Allocated	6		
Name of Lecturer/Lecturers	Dragan S. Milčić, Predrag M. Jovanović		
Teaching Mode	☒ Lectures	☐Group tutorials	☐ Individual tutorials
	☒ Laboratory work	☒Project work	☒ Seminar
	☐ Distance learning	☐ Blended learning	☐ Other

Purpose and Overview (max. 5 sentences)

Subject of this course is the acquisition of the latest knowledge in the field of project management and investments, the study of methods and techniques of project management and investments, as well as the latest achievements in theory and practice and training students to apply knowledge in these areas.

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

The concept and definition of management. Project definition, characteristics and classification of projects. Project management and project management concepts; The life cycle of the project. The organization of project management; The realization of the project; Monitoring and control of the project; The system of reporting on the implementation of the project; Project Manager - the role, tasks, competences and powers. Tim and teamwork on the project. Forming a team, the functioning of the project team, the motivation of the project team. The tools and techniques of project management - Structural diagrams, problem tree and objective tree, Analysis of project stakeholders, SWOT analysis of the project, risk analysis, critical path method (Critical Path Method - CPM), PERT method, Gantt diagram. The concept and definition of the investment; Types of investment in industry and energy; Investment management process; Pre-feasibility study; Feasibility study; Market analysis; Techno-economic analysis: analysis of location, Personnel analysis, financial evaluation of feasibility studies; Assessment of the admissibility of the project-national assessment; Assessment of investments under uncertainty; Benefit-cost analysis; Unido methodology; The methodology of the World Bank; Preparation and assessment of investment in industry and energy;

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	**5**	**Written Examination**	**50**
Practical Teaching	**10**	**Oral Examination**	**Max. 35 (depending on Teaching Colloquia)**
Teaching Colloquia	**35**	**Overall Sum**	**100**
***Final examination mark is formed in accordance with the Institutional documents**			