

Study program / course: Mechanical engineering			
Type and level of study: Master academic studies			
Course: ENGINEERING ECONOMY			
Lecturer or lecturers: Slavko Arsovski, Rajko Čukić			
Status of course : Elective for module M₆, III semester			
Number of ECTS: 6			
Precondition: none			
The objective of course To present the concepts and techniques for economical evaluation of engineering problems and alternatives.			
The outcome of course Students have to be able for assessments the different engineering problems and causes using concepts and tools of economical evaluation.			
Syllabus <ol style="list-style-type: none"> 1. Basic Elements of Engineering Economy 2. Cost management 3. Cost enables and basic concepts of costs 4. Influenced Factors in Engineering 5. Tools for the Alternatives Estimation 6. Analysis in Engineering Economy 7. Decisions in Different Cases of Real Projects 			
Recommended reading <ol style="list-style-type: none"> 1. Slavko Arsovski, Management of Economics of Quality, CIM edition, 2002. 2. Leland T Blank, Anthony Tarquin, Engineering Economy, McGraw-Hill Science/Engineering/Math, 5 edition (August 20, 2002) 3. William G. Sullivan, Elin M. Wicks, James Luxhoj Engineering Economy Prentice Hall, 12 edition (July 15, 2002). 			
The number of hours of active teaching:			Other classes:
Theory: 2	Practical classes: 1.6	Other forms of teaching: 0.4	Research study: 0
Other classes: 1			
Methods of teaching Classical teaching combined with group and individual approach with using teaching tools, especially software.			
Evaluation of knowledge			
Pre-final exam obligations	Points	Final exam	Points
Activities during the classes:	10	Final exam	30
Practical classes:			
Colloquiums(s):	50		
Seminar(s):	10		