

Study program: Engineering Management			
Type and level of studies: Master studies (second level of studies)			
Course unit: Integrated Management Systems			
Teacher in charge: Papić R. Ljubiša			
Language of instruction: English			
ECTS: 6			
Prerequisites:			
Semester: Winter			
Course unit objective Introducing students to the basics of the problems of integrated management systems, as well as helping students master the basic requirements of the implementation of an integrated management system defined by the relevant standards within a business system.			
Learning outcomes of Course unit After completion of the course students have acquired the basics of practical knowledge about the purpose, structure, necessary resources and methods of application of a number of organizational management of international standards in one system of management. Students have the knowledge on both the model of integration of management systems and partial management system which is considered necessary in the ordinary practice of managers, given the wider application of organizational management of international standards, both locally and worldwide.			
Course unit contents <i>Theoretical classes</i> The importance of integration of management systems, The structure of IMS, Basics of EMS, Basics of FSM, Basics of OHSAS, Basics of ISO 16949, Basics of ISO 10014, Management processes – the basis for integration, ISO 9001 and related standards - create multi-elements - Process approach – ISO 9001 standards and environmental preservation - ISO 9001 standards and accreditation of the laboratory – ISO 9001 standards and providing healthy food – ISO 9001 standards and safety at work – ISO 9001 and other organizational management standards; Project of IMS, Establishment of IMS, Measuring and managing performance of IMS, Information support to the establishment of IMS. <i>Practical classes</i> Includes the development requiring the IMS standard (EMS, OHSAS, ISO 16949, ISO 10014, risk management, etc.) on the auditory exercises, guidelines for the preparation of seminar papers both generally and those on the subject of design, and incorporation of IMS through study research, which is to include training in basic research in the subject matter.			
Literature <i>Creswell, J. W.</i> , Research design: qualitative, quantitative, and mixed <i>approaches</i> , Sage Publications, 2009.			
Number of active teaching hours			Other classes
Lectures: 2	Practice: 2	Other forms of classes:	Independent work:
Teaching methods Teaching involves auditory lectures accompanied by slides, and auditory practices that develop deeper resolving of certain problems. Both the lectures and practices are accompanied by a large number of practical examples.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	10	oral examination	
Practical classes/tests	30	written examination	30
Seminars/homework	30	
Project			
Other			
Grading system			
Grade	No. of points	Description	
10	91-100	Excellent	
9	81-90	Exceptionally good	
8	71-80	Very good	
7	61-70	Good	
6	51-60	Passing	
5	less than 50	Failing	