

**MM1561**

<b>Study program / course:</b> Mechanical Engineering				
<b>Type and level of study:</b> Master academic studies				
<b>Course:</b> Integrated management systems				
<b>Lecturers:</b> Slavko M. Arsovski, Miodrag P. Lazic, Bogdan S. Vasiljevic				
<b>Status of course:</b> Obligatory for module M <sub>6</sub> , I semester				
<b>Number of ECTS:</b> 6				
<b>Prerequisite:</b> none				
<b>The course objective:</b> Course is designed to inform students with basic issues of partial and integrated management systems. Beside theoretical knowledge, students will master with skills necessary for design and implementation of IMS, a specially ICT support for management of IMS performances.				
<b>The course outcome:</b> At the end of the course student will be able to: <ul style="list-style-type: none"> <li>• Understanding of concept and importance of IMA</li> <li>• Knowledge and implementation of methodology for design and implementation of IMS</li> <li>• Knowledge of integration models of integrated management systems</li> <li>• Knowledge of partial management systems</li> </ul>				
<b>Syllabus:</b> <i>Theory</i> Importance of integrated management systems, structure of IMS, introduction to EMS, introduction to OHSAS, introduction to 16949, introduction to ISO 10014, introduction to risk management, introduction to management of information security, process management – basis for integration, design of IMS, implementation of IMS, Measurement and management with IMS performances, information support in implementation of IMS. <i>Practice:</i> Covers demands of standards of IMS (EMS, OHSAS, ISO 16949, ISO 10014, risk management) during auditory exercises, directions for seminar papers and writing of seminar papers in the field of design and implementation of IMS, through research study work. In the frame of study research students will be trained for basic research in the field of this course.				
<b>Recommended reading:</b> <ol style="list-style-type: none"> <li>1. Arsovski, S. Process Management, Center for Quality, Faculty of Mechanical Engineering, Kragujevac 2007.</li> <li>2. Arsovski S., Rajkovic D., Savovic I and Kokoc A., Integrated management systems, Center for Quality, Faculty of Mechanical Engineering, Kragujevac 2007.</li> </ol>				
The number of hours of active teaching:				Other classes:
Theory: 2	Practical classes: 1,6	Other forms of teaching: 0,4	Research study: 0	1
<b>Methods of teaching</b> Classical, frontal lecturing, combined with individual and group approach using modern education equipment. Evaluation of knowledge: tests and seminars.				
<b>Evaluation of knowledge (maximal 100 points)</b>				
<b>Pre-final exam obligations</b>	<b>Points</b>	<b>Final exam</b>	<b>Points</b>	
Activities during the classes	10	Written	-	
Activities during the exercises	-	Oral presentation	30	
Tests:	30			
Homeworks:	20			