

<b>Study program : Mechanical Engineering, Module Industrial Engineering, Master Engineering Management</b>			
Type and level of studies: MSC			
<b>Course unit: Integrated Management Systems (IMS)</b>			
<b>Teacher in charge : Slavko Arsovski, Miladin Stefanovic</b>			
Language of instruction: English			
ECTS: 6			
Prerequisites: no			
Semester: <i>Winter semester</i>			
<b>Course unit 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>Learning outcomes of Course unit</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>Course unit contents</b>			
<i>Theoretical classes</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>Practical classes</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>Literature</b>			
[1] Arsovski, S. Process Management, Center for Quality, Faculty of Mechanical Engineering, Kragujevac 2007.			
[2] Lee, T. H., Shiba, S., & Wood, R. C. (1999). Integrated management systems: A practical approach to transforming organizations (Vol. 8). John Wiley & Sons.			
<b>Number of active teaching hours</b>			
Lectures: 2	Practice: 1,6	Other forms of classes:0,4	Independent work:0
			<b>Other classes 1</b>
<b>Teaching methods</b>			
Classical, frontal lecturing, combined with individual and group approach using modern education equipment. Evaluation of knowledge: tests and seminars.			
<b>Examination methods ( maximum 100 points)</b>			
<b>Exam prerequisites</b>	<b>No. of points:</b>	<b>Final exam</b>	<b>No. of points:</b>
Student's activity during lectures	<b>10</b>	oral examination	<b>30</b>
practical classes/tests	<b>40</b>	written examination	
Seminars/homework		.....	
Project	<b>20</b>		
Other			
<b>Grading system</b>			
<b>Grade</b>	<b>No. of points</b>	<b>Description</b>	
<b>10</b>	<b>91-100</b>	Excellent	
<b>9</b>	<b>81-90</b>	Exceptionally good	
<b>8</b>	<b>71-80</b>	Very good	
<b>7</b>	<b>61-70</b>	Good	
<b>6</b>	<b>51-60</b>	Passing	
<b>5</b>	<b>≤50</b>	Failing	