



**UNIVERSITY OF ZENICA  
POLYTECHNICAL FACULTY**



**Subject title: INTEGRATED MANAGEMENT SYSTEMS**

Semester	Status	Hours per week		ECTS credit value	Code
		Lectures	Exercises		
all – II cycle	Elective	3	3	6,5	<b>03-K17-024</b>

<b>Subject leader:</b> <b>E-mail:</b>	<b>Subject assistant:</b> <b>E-mail:</b>
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**Pre-requisites** -

**Subject aims**

- to introduce students to basic concepts of system and quality,
- the ability to interpret the basic requirements of the standards in these areas,
- use the tools and techniques of quality management.

**Learning outcomes**

On successful completion of this subject student will be able to:

- actively applying some of the tools in the management of quality in practical terms,
- implementation of the requirements of certain standards in practice,
- working to improve the quality management system that is chosen.

**Indicative syllabus content:** The system; Quality as a business philosophy. The standardization of management systems. Principles of Management at the reference standard models and model of business excellence. The problems of integration of management system. Designing and creating an integrated management system. Process modeling. Methods of integration. Models of integration. Methods and approaches to integration. The structure of standardized management systems: ISO 9000, ISO 14000, OHSAS 1800, ISO 22000, Other standardized systems management. The design and establishment of the IMS. Measuring and monitoring performance: Development of KPI, Performance Measurement, Monitoring and improving performance. Information support. The effectiveness of the application. Methods and tools; advanced.

**Learning delivery:** Lectures are performed with the use of multimedia resources, with the techniques of active learning and student participation. Exercises are performed as problem solving and computer. On Exercises are done practical examples and calculations, and the computer are processed topics from certain areas of the lecture.

**Assessment Rationale:** Assessment of students is carried out continuously during the realization of lectures and exercises in the form of active participation of students. Written exam includes activities students during the training, while the theoretical part of working through two partial exams through the elaboration given the limited number of topics.

Assessment Criteria				
Lectures	Exercises	Written exam	Theor. exam	
10%	20%		70%	

**Reading**

Essential	1. Arsovski Slavko: Integrisani sistemi menadžmenta, Univerzitet u Kragujevcu, Fakultet inženjerskih nauka, Kragujevac, 2013
Supplementary	2. Stoilković, S., Stoilković, P., Stoilkovi, B., Obradović Z.: Integrisani sistemi menadžmenta, CIM College, Niš, 2006
	3. Klarić, S., Pobrić, S.: Upravljanje kvalitetom-Alati i metode poboljšanja, Mašinski fakultet u Mostaru, 2009
	4. ISO standardi iz predmetne oblasti