

## SYLLABUS

**Name:** Integrated management systems  
**Name in Polish:** Zintegrowane systemy zarządzania  
**Name in English:** Integrated management systems

### Information on course:

**Course offered by department:** Faculty of Organisation and Management  
**Course for department:** Silesian University of Technology  
**Study level and form:** Bachelor's degree, Full-time  
**Term:** winter semester 2019/2020  
**Coordinator of course edition:** Phd Marek Szafraniec

### Default type of course examination report:

PASS

### Language:

English

### Course homepage:

<https://platforma.polsl.pl/roz/user/view.php?id=3866&course=193&showallcourses=1>

### ECTS

1

### Short description:

The main objective of the course is to provide structured knowledge and information in the field of systematic management concepts in organizations with particular emphasis on the theoretical and practical aspects of integrating this system in industrial environmental management.

### Description:

Detailed content (lectures): 15h.

- Standardization of management systems in companies;
- Requirements of quality, environmental and health and safety standardized systems;
- Designing a continuous improvement loop of the integrated management system
- Corporate Social Responsibility;
- Premises, methods and fields of management system integration;
- Economical, environmental and social performance evaluation in the integrated management system. Enterprises network management;
- The idea of computer-integrated management.

Number of course hours and ECTS credits at the course with a direct participation of academic teachers or other persons running the course and supervising students; 15/0,5

Number of course hours conducted by academic teachers employed by the Silesian University of Technology as their primary workplace. 15/0,5

### Bibliography:

- ISO 14001:2015 Environmental management systems – Requirements with guidance for use.
- ISO 9001:2015 Quality management systems – Requirements.
- ISO 45001:2018 Occupational Safety & Health Management System.
- PAS 99/2012 BSI British Standards. Specifications of common management systems requirements as framework for integration.
- Marilyn R.B., Marash I.: Integrating ISO 14001 into a quality management system. ASQ Quality Press, 1999.
- Jorgensen T., Remmen A., Mellado M.: Integrated management system – three different levels of integration, Journal of Cleaner Production, 14, 2006

### Learning outcomes:

K2A\_W08 - a student knows and understands structured and theoretical key issues in the field of quality management, the principles of implementation and operation of integrated management systems and the organization of complex production systems in the context of integrated management systems

K2A\_U08 - a student can integrate and use advanced knowledge related to the field of study management and production engineering in formulating and solving engineering tasks in the context of integrated management systems  
K2A\_U10 - a student can use structured knowledge to implement integrated management systems, production systems, as well as analysis and modeling of processes in the enterprise in the context of integrated management systems  
K2A\_K05 - a student is prepared to perform professional roles responsibly, taking into account the changing social needs, including developing the achievements of the profession, maintaining the ethos of the profession, observing and developing the rules of professional ethics and acting to comply with these principles in the context of integrated management systems

**Assessment methods and assessment criteria:**

- A positive grade from written test is needed to pass the lecture,
- To pass the test, at least 50% correct answers are required,
- The test can be improved twice - in written or oral form,
- • Being active and participating in a constructive discussion during classes can raise the grade for the final test

**Practical placement:**