

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: [Master's degree, Full-time](#)
Term: [summer semester 2023/2024](#)
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

2

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:

The following content is presented during the lectures:

- Introduction to the issues of integrated management systems
- Standardization of management systems in enterprises
- Requirements for standardized management systems
- Documentation in integrated management systems
- Designing continuous improvement loops in an integrated management system
- Premises, methods and areas of system integration
- Computer integrated management
- Passing test

The project covers the following content:

- Introduction: goals and methodology of project work, selection of a company for project work
- Determining the policy of the integrated management system of the selected enterprise
- Analysis of the process map of the selected enterprise
- Defining goals and tasks as part of the process of improving the integrated management system of the selected enterprise
- Defining an action plan as part of the process of improving the integrated management system of the selected enterprise
- Documentation of integrated management systems
- Creating a checklist for the auditing process of a selected area of the enterprise's integrated management system
- Education methods, including distance learning methods and techniques:
- Multimedia presentation.
- Talk and discussion.
- Analysis of source materials.

Number of hours of classes with direct participation of academic teachers or other people conducting classes and students

- Lecture: 15h
- Project: 15h

The number of hours devoted to the student's own work:

- Preparation for passing the lecture: 15 hours
- Preparation the project: 15 hours

Total number of hours: 60

Number of ECTS credits: 2

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; 30/1

Bibliography:

- ISO 14001 Environmental management systems – Requirements with guidance for use.
- ISO 9001 Quality management systems – Requirements.
- ISO 45001 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:

Lectures:

K2A_W08 – Student knows and understand ordered and theoretically-grounded key issues of quality management, the principles of implementation and operation of integrated management systems, and organization of complex production systems in the context of integrated management systems.

Project:

K2A_U08 – A student is able to Integrate and use advanced knowledge related to the field of study of management and production engineering when formulating and solving engineering tasks in the context of integrated management systems.

K2A_U10 – A student is able to use structured and theoretically-grounded knowledge to implement integrated management systems and production systems, as well as analyse and model processes in the enterprise in the context of integrated management systems.

K2A_U12 – A student is able to communicate on specialist topics with diverse audiences, act as the debate leader and adequately present and justify different opinions and positions in the context of integrated management systems.

K2A_K05 – a student is ready to responsible performance of professional roles, taking account of changing social needs, including developing professional achievements, maintaining the ethos of the profession, observing and developing the principles of professional ethics, as well as promoting compliance with these principles. In the context of integrated management systems.

Assessment methods and assessment criteria:

Lectures:

- 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

Project:

- the condition for passing the project classes is to send the correctly prepared project work.
- reports from subsequent parts of the project work are assessed in formal and substantive terms.
- reports prepared incorrectly may be corrected twice.

Practical placement: