COURSE DESCRIPTION CARD - SYLLABUS

Course name
Standarized Management Systems
Course

Field of study
Production Engineering and Management
Area of study (specialization)
Quolity magagement
Level of study
Second-cycle studies
Form of study
part-time

Year/Semester
2/3
Profile of study
general academic
Course offered in
polish
Requirements
elective

Number of hours

Lecture
20
Laboratory classes
Other (e.g. online)
Tutorials
Projects/seminars

Number of credit points
2

Lecturers

Responsible for the course/lecturer:
PhD Piotr Pajzderski

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Faculty of Mechanical Engineering

Piotrowo Street, No 3; 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

The student has general knowledge of the principles of management, knowledge of the requirements of ISO 9001, the possibility of continuous improvement in various areas of life, including the activities of the organization, with particular emphasis on production

companies. Ability to interpret the requirements of standards. Ability to work in a team. Awareness of responsibility for the solutions adopted and the consequences of the decisions made

Course objective

To acquaint students with theoretical and practical issues related to various management systems. Developing awareness of sustainable development. Ability to develop MS documentation.

Course-related learning outcomes

Knowledge

1. Has a basic knowledge of integrated quality, environmental and safety management systems and product conformity assessment system

2. Has knowledge of other quality management systems

Skills

1. has the ability to apply the acquired knowledge to restructure and improve management processes in the organization

2. Is aware of the interaction of various management systems and is able to integrate them

3. The student is able to see threats and use opportunities in the functioning of the organization..

Social competences

Can independently develop knowledge in the area of the subject

The student is open to new ideas and concepts, introducing changes and striving for improvement.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Credit based on a test consisting of 15 ÷ 20 multiple-choice test questions at the end of the semester. More than half of the questions must be answered correctly.

Programme content

Course terminology: environmental management systems, health and safety, risk, process,

Principles of sustainable development

Quality management systems - reminder

Environmental management system

Occupational health and safety management systems

Overview of other systems (HACCP, GMP, GLP, food safety, information security)

Product conformity assessment system

Systems integration methods

Teaching methods

Lecture: multimedia presentation illustrated with examples; team project

Bibliography

Basic

1. 1. Hamrol A., Quality management with examples (in polish), PWN Warsaw, 2012

2. EN ISO 9001: 2015 Quality Management Systems. Requirements

3. PN-EN ISO 14001: 2005 Environmental management systems. Requirements and guidelines for use

4. PN-EN ISO 45001: 2018 occupational health and safety management systems

5. EN ISO 9000: 2015 Quality Management Systems. Fundamentals and vocabulary

6. Standards series EN/ISO 170XX

Additional

1. PAS 99:2006 Specification of common management system requirements as a framework for integration, BSI, KS codes 03.100.99

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2
Classes requiring direct contact with the teacher	20	1
Student's own work (literature studies, preparation for tests/exam, develpoing of project) [1]	30	1

1 delete or add other activities as appropriate