



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Basics of quality management

### Course

Field of study

Safety Engineering

Area of study (specialization)

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

10

### Number of credit points

2

### Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

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### Prerequisites

The student should have basic information about managing organizations. He should know the issues of management and organization as well as marketing and logistics. He should properly select information sources, analyze them critically and formulate conclusions synthetically. The student should properly select and use simulation and experimental analytical methods to solve basic problems in organizations.

### Course objective

The aim of the course is to familiarize students with the basic elements of quality management in organizations. Introduction to the issues of quality and quality management in enterprises of various industries.

### Course-related learning outcomes

#### Knowledge

The student knows how to define quality and has in-depth knowledge of how the problems of quality relate to products and processes [K1\_W07].

#### Skills

The student is able to use norms and standards by solving practical examples related to quality management [K1\_U08].

The student is able to identify changes in requirements, standards, regulations, technical progress and the realities in which organizations function, and then on this basis he can determine the directions of development of the area of quality management in enterprises [K1\_U12].

#### Social competences

The student notices that the cause and effect relationships are the basis for many decisions in quality management [K1\_K01].

The student is aware of the significant knowledge of quality management in the continuous improvement of aspects related to safety engineering [K1\_K02].

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment: ongoing assessment of the tasks performed. For each task the student receives the number of points specified in the conditions for passing the task. It is possible to complete the task with a minimum of 51% of the points.

Summative assessment: each task must be passed for a minimum of 51%, the sum of points obtained for each task is converted into a grade. The grade is entered according to the following rules:

96 - 100 points - Very Good

84 - 95 points - Good plus

73 - 83 points - Good



61 - 72 points - Satisfactory plus

51– 60 points - Satisfactory

00 - 50 points - Unsatisfactory

### Programme content

The concept of quality. Interpretation of the concept of quality in philosophical, legal, sociological, humanistic, technical and legal terms. Quality management areas in organizations. Case study: "What does quality management look like in enterprises from various industries". Different approach to quality management: European, American, Japanese.

### Teaching methods

Tutorials: problem lecture, lecture with explanation and explanation, case study, brainstorming

### Bibliography

Basic

Gołaś H., Mazur A., Zarządzanie jakością, Wydawnictwo Politechniki Poznańskiej, Poznań 2011.

Hamrol A., Zarządzanie i inżynieria jakości, Wydawnictwo Naukowe PWN, Warszawa, 2022.

Mazur A., Quality management, Wydawnictwo Politechniki Poznańskiej, Poznań, 2022.

Additional

Jasiulewicz-Kaczmarek m., Prussak W., Elementy inżynierii systemów zarządzania jakością, Wydawnictwo Politechniki Poznańskiej, Poznań 2010.

Mazur A., Misztal A., Sobańska A., Kopec M., Szrejter D., Metoda identyfikacji i rozpoznania wymagań interesariuszy uczelni wyższej, Problemy Jakości 08,2018, s. 12-18.

Zymonik Z., Hamrol A., Grudowski P., Zarządzanie jakością i bezpieczeństwem Polskie Wydawnictwo Ekonomiczne, 2013.

### Breakdown of average student's workload

	Hours	ECTS
Total workload	55	2,0
Classes requiring direct contact with the teacher	10	0,5
Student's own work (literature studies, preparation for tutorials) 1	45	1,5

<sup>1</sup> delete or add other activities as appropriate