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
full-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
15

Projects/seminars

Number of credit points

2

Lecturers

Responsible for the course/lecturer:
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Responsible for the course/lecturer:
Ph.D., Eng. Roma Marczewska-Kuźma

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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 inzynierii systemów zarządzania jakością, Wydawnictwo Politechniki Poznańskiej, Poznań 2010.

Mazur A., Misztal A., Sobańska A., Kopeć 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	50	2,0
Classes requiring direct contact with the teacher	15	1,0
Student's own work (literature studies, preparation for tutorials) [1]	35	1,0

[1] delete or add other activities as appropriate