STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Implementation of Quality Management System	**1011102231011125147**

Field of study	Profile of study (general academic, practical)	Year /Semester
Engineering Management - Full-time studies -	**(brak)**	**2 / 3**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
Quality Systems and Ergonomics	**Polish**	**elective**

Cycle of study:	Form of study (full-time,part-time)
Second-cycle studies	**full-time**

No. of hours	No. of credits
Lecture: **15** Classes: **15** Laboratory: **-** Project/seminars: **-**	**3**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)
social sciences	**3 100%**
Social sciences	**3 100%**

Responsible for subject / lecturer:

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Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Knowledge in the design and assessment of pro quality systems, elements of systems theory, teamwork.
2	**Skills**	Interpretation of standards requirements.
3	**Social competencies**	Working in a team.

Assumptions and objectives of the course:

Presentation of the subsequent steps that are necessary to prepare and implement the quality management system. An assessment of the effectiveness and efficiency of the proposed implementation as well as evaluation of an exploitation after the implementation of the quality management system.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Has the knowledge of the contextual studies in relation to the management sciences, ergological sciences as well as research methods applied, of the common and specific conceptual apparatus in relation to management sciences - [K2A_W01]
2. Knows an in-depth modelling methods and tools that are used for information processes - [K2A_W08]
3. Is familiar with the modelling methods and tools for decision-making processes - [K2A_W09]
4. Has an in-depth knowledge of legal standards, their sources, changes and ways to influence organizations - [K2A_W12]

Skills:

1. Is able to correctly interpret and explain the phenomenon of cultural, social, political, legal, economic), and mutual relationships between social phenomena - [K2A_U01]

2. Can use the theoretical knowledge to describe and analyze the causes, the course of processes and social phenomena (cultural, political, legal, economic), as well is able to formulate his own opinions, select critical data or methods of analysis - [K2A_U02]

3. Is able to predict, model some complex social processes that involve phenomena from different areas of social life (cultural, political, legal, economic) using advanced methods and tools in the field of economic sciences and a discipline of management sciences - [K2A_U04]

4. Effectively uses the normative systems, standards and rules (legal, professional, ethical), or e can use them to solve specific problems, has enhanced the ability in relation to the selected category of social ties or the preferred types of norms - [K2A_U05]

5. Has the ability to use knowledge gained in different areas and forms, extended by a critical review of the effectiveness and suitability of the applied knowledge - [K2A_U06]

6. It has the ability to propose solutions to a particular problem and to take procedures aimed at reaching a consensus in this area - [K2A_U07]

Social competencies:

1. Can detect dependencies in terms of cause and effect consequences in the process of objectives implementation. He can also rank the alternative or competing tasks according to their relevance - [K2A_K03]

2. Can contribute to a factual input in the preparation of the social projects and manage the ventures resulting from these projects - [K2A_K05]

3. Is aware of the interdisciplinary of knowledge and skills that are needed to solve complex problems of an organization and a necessity to create interdisciplinary teams - [K2A_K06]

4. Is able to plan and manage business ventures - [K2A_K07]

Assessment methods of study outcomes

Formative assessment:

- Project: an assessment of the current progress of work, presentation of the current results

- Lectures: an assessment of the answers given by the students as well as active participation in discussions on the material covered during lectures

Collective assessment:

a) Project:

-public presentation of the achieved solutions

- discussions and answering questions regarding the presentation

b)Lectures:

- a student can take up an exam after achieving credits (on the basis of classes)

- exam in the written form, where at least one of the answers is correct

- each correct answer is scored 0-1

- exam is passed after achieving at least 55% of the correct answers

- overview of the exam

Course description

The essence of quality management system.

Planning the implementation of the quality management system. Scheduling a project related to a quality management system.

Responsibility in the quality management system. The role of top management in the quality management system. Quality policy and objectives as overriding objectives for the quality management system. The context of the organization and the role of the itineraries in building an integral business strategy with the assumptions of a quality management system.

Documentation of the quality management system.

Efficiency and effectiveness of the quality management system. Internal audits and management reviews.

DIDACTIC METHODS:

- an informative lecture,

- problem solving,

- lecture lecture,

- talk,

- discussion in the form of a snowball,

- project method,

- workshop method,

- demonstration method.

Basic bibliography:

1. Gołaś H., Mazur A. Wdrażanie systemu zarządzania jakością PP Poznań 2011
2. Hamrol A. Zarządzanie jakością z przykładami PP Poznań 2008
3. Kardas A. Zarządzanie w przedsiębiorstwie - środowisko, procesy, systemy, zasoby Dyfin Warszawa 2008
4. red. Borys T. Rogala P 5. Systemy zarządzania jakością i środowiskiem AE Wroclaw 2007

Additional bibliography:

1. Gołaś H., Mazur A., Zarządzanie jakością, Wyd. PP, 2011.
2. Norma PN-EN ISO 9001:20015 System Zarządzania Jakością. Wymagania.
3. Norma PN-EN ISO 9000:2015 System Zarządzania Jakością. Terminologia i definicje.

Result of average student's workload

Activity	Time (working hours)
1. Participation in classes Credits	30
2. Preparation for classes	10
3. Consultations	20
4. Preparations for achieving credits	15
5. Credits	5

Student's workload

Source of workload	hours	ECTS
Total workload	80	3
Contact hours	55	2
Practical activities	15	0