STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Quality Management System Design		**1011105331011120756**

Field of study	Profile of study (general academic, practical)	Year /Semester
Engineering Management - Part-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	**part-time**

No. of hours				No. of credits
Lecture: **20**	Classes: **14**	Laboratory: **-**	Project/seminars: **-**	**4**

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 %)

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Student has knowledge of the standards. quality, their sources, nature, changes and impacts on organizations, The student has a basic knowledge concerning quality management
2	**Skills**	The student knows how to use the organizer's methods and tools in order to solve problems within the quality management area
3	**Social competencies**	The student understands the need to work in a group

Assumptions and objectives of the course:

The students are acquainted with a cognitive and application knowledge of design (business management), defining the stages of pro quality systems design along with their review, verification and validation

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

Knowledge:

1. Has knowledge of the quality management subject, of the applied research methods as well as with specific conceptual apparatus of quality management - [K2A_W01]
2. Has an in-depth knowledge in regards to methods and tools of modelling within communication processes in quality management - [K2A_W08]
3. Has extensive knowledge about the human role in shaping the organizational culture aimed at the satisfaction of the parties concerned - [K2A_W09]
4. Has an in-depth knowledge of norms and quality management standards as well as the impact on 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 processes in an aspect of quality management - [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 of quality management - [K2A_U04]
4. Effectively uses the normative systems in the framework of quality management - [K2A_U05]
5. Has the ability to design a quality management system in compliance with ISO 9001: 2008 - [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:

- Classes: an assessment of the current progress of work,
- Lectures: an assessment of the answers given by the students on the basis of the covered material

Collective assessment:

- public presentation (project presentation and a discussion)- classes
- written form, open questions

Course description

The subject program includes: managing organizational projects, process approach to a pro quality system design. Evaluation of input data (requirements of management, customer?s specification), identification of the elements which require design, in particular with regard to the design of discipline systems. Verification and validation of design processes. Optimization of design variants and design economics

Basic bibliography:

1. Jasiulewicz-Kaczmare M., Misztal A., Projektowanie i integracja systemów zarządzania projakościowego, WPP, Poznań 2014

Additional bibliography:

1. Hamrol A., Zarzadzanie jakością z przykładami (Quality design with examples), PWN, Warszawa 2008

Result of average student's workload

Activity	Time (working hours)
1. Cecture	30
2. Preparation for credits	20
3. Classes	15
4. Consultations with a supervisor	10
5. Preparation for classes	30
6. Final credits	2

Student's workload

Source of workload	hours	ECTS
Total workload	107	4
Contact hours	57	3
Practical activities	15	1