STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Economic aspects of pro-quality management	**1011105231011105148**

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 %)
technical sciences	**4 100%**
Technical sciences	**4 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Student has a basic knowledge of economics and quality management
2	**Skills**	The student knows how to use the organizational methods and tools to deal with problems within the quality management area
3	**Social competencies**	The student understands the need to work in a team

Assumptions and objectives of the course:

Presentation of the theoretical and practical knowledge concerning the cost of quality and the possibility of using it in business management

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 character 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:

- assessment of the current progress of work-classes

- assessment of the answers given by the students from the material based on lectures

Collective assessment:

-public presentation (project presentation and discussion)-classes

-written form, open questions

Course description

Does the quality cost anything?, What is the cost of quality? The costs connected with adapting the resources to meet the standards requirements. Assumptions of economic assessment in the process of developing an appropriate level of work and product quality. The structure of production costs and maintenance of the intended level of quality costs. Cost of process quality. Costs of quality in a company information system (the division of quality costs, quality costs and levels of quality, cost, quality costs controlling). Quality and costs optimization. Economic efficiency of quality related decisions. Cost accounting model. The quality cost management model of enterprise efficiency. Determinants and barriers to the implementation of the quality of costs.

Basic bibliography:

1. Szafrański M., Elementy ekonomiki jakości w przedsiębiorstwach. Wydawnictwo Politechniki Poznańskiej, Poznań 2007.

2. Prussak W., Jasiulewicz-Kaczmarek M., Inżynieria systemów zarządzania jakościa WPP, Poznań 2010

3. Ciechan-Kujawa M., Rachunek kosztów jakości, Oficyna Ekonomiczna, Kraków 2005.

4. Kister A., Zarządzanie kosztami jakości. Oficyna Ekonomiczna, Kraków 2005

Additional bibliography:

1. Gabrusewicz W., Kamela-Sowińska A., Poetschke H., Rachunkowość zarządcza, PWE, Warszawa 2000.

2. Zymonik Z., Koszty jakości w zarządzaniu przedsiębiorstwem, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław 2003.

3. Skrzypek E., Jakość i efektywność. Wydawnictwo Uniwersytetu Marii Curie-Skłodowskiej, Lublin 2000.

Result of average student's workload

Activity	Time (working hours)

1. Lecture	20
2. Preparation for classes	10
3. Classes	14
4. Consultations with a supervisor	10
5. Preparations for an exam	10
6. Final exam	2

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	66	4
Contact hours	36	2
Practical activities	14	2