

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject (-)		Code 1011102311011125141
Field of study Engineering Management - Full-time studies -	Profile of study (general academic, practical) general academic	Year /Semester 1 / 1
Elective path/specialty Quality Systems and Ergonomics	Subject offered in: Polish	Course (compulsory, elective) elective
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 15 Classes: - Laboratory: 15 Project/seminars: -		No. of credits 3
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art technical sciences Technical sciences		ECTS distribution (number and %) 3 100% 3 100%
Responsible for subject / lecturer: dr inż Małgorzata Jasiulewicz-Kaczmarek email: malgorzata.jasiulewicz-kaczmarek@put.poznan.pl tel. 61 6653365 Engineering Management ul. Strzelecka 11, 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student defines and describes the basic concepts and principles of quality management, fundamentals of an organization and management,
2	Skills	Student can verify and evaluate the phenomena occurring during the execution of processes
3	Social competencies	Student is aware of the importance of quality for its receivers and creators of its level.
Assumptions and objectives of the course: Providing the students with a knowledge that is necessary for an application and theoretical skills of preparation as well as identification of processes within pro quality systems.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student knows the concepts: system, process - [K2A_W01, K2A_W12] 2. Student knows elements of the system approach to study of quality management systems - [K2A_W01, K2A_W12] 3. Student describes the phenomena occurring within the organization, process and production in order to indicate the links and dependencies - [K2A_W01, K2A_W12] 4. Student formulates conclusions based on the systemic analysis of processes - [K2A_W01, K2A_W12]		
Skills:		
1. Student is able to interpret phenomena and processes in systemic terms - [K2A_U02, K2A_U06] 2. Student is able to design some selected system elements - [K2A_U02, K2A_U06] 3. Student can model the quality management system - [K2A_U02, K2A_U06] 4. Student has the ability to practically apply a system approach to the study of the quality management system - [K2A_U02, K2A_U06]		
Social competencies:		
1. Student is aware of the importance of the systemic approach - [K2A_K03, S2A_K06] 2. Student is aware of the need to develop the processes that are implemented in the company in terms of systemic approach - [K2A_K03, S2A_K06] 3. Student is determined to act in favour of the optimization costs of the process and the product quality - [K2A_K03, S2A_K06]		

Assessment methods of study outcomes		
<p>-Formative assessment: Laboratories: on the basis of a current progress assessment while doing certain tasks; Lectures: on the basis of the answers to questions about the material covered in previous lectures. Collective assessment: Lectures: written examination on particular parts of the content presented in the lecture. The exam takes place during the exam session, after obtaining positive evaluation of laboratories; Laboratories: a report on the performed exercise. Credits will be given in 14-15 week of a semester.</p>		
Course description		
<p>The concept and the meaning of the system, analysis and identification of the processes carried out in the system, in the context of the pro quality standards requirements. Evaluation of the systems effectiveness as well as the analysis of industry standards in a systemic term. Contemporary concepts of pro quality management in a systemic approach. Processes improvement and their impact on the efficiency of the system. Documenting the activities and processes according to pro quality standards, in the context of systemic effects.</p>		
Basic bibliography:		
<p>1. Jasiulewicz-Kaczmarek M., Misztal A., Projektowanie i integracja systemów zarządzania projektem, WPP, Poznań 2014</p>		
Additional bibliography:		
Result of average student's workload		
Activity	Time (working hours)	
1. Lecture	15	
2. Classes	15	
3. Consultations	8	
4. Exam	2	
5. Preparation for classes	27	
6. Preparation for exam	10	
Student's workload		
Source of workload	hours	ECTS
Total workload	77	3
Contact hours	40	2
Practical activities	15	1