STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Theoretical basis of quality - Qualitology	**1011102311011145286**

Field of study	Profile of study (general academic, practical)	Year /Semester
Engineering Management - Full-time studies -	**(brak)**	**1 / 1**
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: **-**	**2**

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	**2 100%**

Responsible for subject / lecturer:

prof. dr hab. inż. Władysław Mantura.
email: Wladyslaw.Mantura@put.poznan.pl
tel. (61) 6653404
Faculty of Engineering Management
60-965 Poznań ul. Strzelecka 11

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basis of the set theory
2	**Skills**	The application of the numerical data for the real processes modelling
3	**Social competencies**	The understanding of the importance of the qualitative approach for solving the managerial problems

Assumptions and objectives of the course:

-Knowledge of the qualitative approach to research, for cognitive and prospecting modelling of the reality

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

Knowledge:

1. The student has a knowledge of human impact on creating the organization culture and management ethics - [[K2A_W06]]
2. The student knows the methods and tools of decision processes modelling - [[K2A_W09]]

Skills:

1. The student appropriately interprets the social, cultural, political, legal and economic issues and relations among them - [[K2A_U01]]
2. The student adopts the theoretical knowledge to describe and analyse the business environment and formulates own opinion, select the critical data and methods of analysis - [[K2A_U02]]
3. The student applies the normative systems, standards and rules for particular problems solving, especially in terms of the standards related with the social issues - [[K2A_U05]]
4. The student utilizes the theoretical knowledge for different practical issues and critically analyses the effectiveness and efficacy of the applied - [[K2A_U06]]

Social competencies:

1. The student applies the cause and effect relations for particular purposes and ranks the alternative or completive tasks - [[K2A_K03]]
2. The student is aware of the knowledge and competencies interdisciplinary which are required for the complex problem solving and realize the necessity for creating the interdisciplinary working groups - [[S2A_K06]]

Assessment methods of study outcomes
--Written exam
Course description
- The fundamentals and subject of qualitology, the science of quality. The terminology basis. The characteristics and classification of the universal attributes. The main qualitative operations. The main qualitative approach laws. The methods and tools of qualitative modelling, for cognitive and creative, practical objectives. Ilościowe określanie jakości, Kolman R, PWE, Warszawa, 1973
Basic bibliography:
Additional bibliography:

Result of average student's workload	
Activity	**Time (working hours)**

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	90	3
Contact hours	30	0
Practical activities	60	0