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		STUDY MODULE DE	SCRIPTION FORM			
Name of the module/subject Quality Management in Civil Engineering				Code 1010102121010110112		
Field of			Profile of study	Year /Semester		
Civil	Engineering sec	cond-cykle studies	(general academic, practical) (brak)	1/2		
	path/specialty	ona dynic studies	Subject offered in:	Course (compulsory, elective)		
		gineering and Managemer		obligatory		
Cycle of	f study:		Form of study (full-time,part-time)			
Second-cycle studies			full-time			
No. of h	_	_		No. of credits		
Lectur	Clabbo		Project/seminars: 1 2			
Status o		program (Basic, major, other)	(university-wide, from another field)			
Educati	on areas and fields of sci	(brak)	(1	ECTS distribution (sumbor		
Educan	on areas and neids of sci	ence and an		ECTS distribution (number and %)		
techr	nical sciences			2 100%		
	Technical scie	ences		2 100%		
Resp	onsible for subj	ect / lecturer:	Responsible for subject	/ lecturer:		
	ab. inż. Jerzy Pasławs		mgr inż. Piotr Nowotarski			
	ail: jerzy.paslawski@p +48616652113	ut.poznan.pl	email: piotr.nowotarski@put.poznan.pl			
	+46616632113 dział Budownictwa i In	żynierii Środowiska	tel. 616652113 Wydział Budownictwa i Inżynierii Środowiska			
ul. F	Piotrowo 5 60-965 Poz	nań	ul. Piotrowo 5 60-965 Pozna			
Prere	equisites in term	s of knowledge, skills and	social competencies:			
1	Knowledge	Basic information about the role of quality management in managing				
2	Skills	Can analyze the typical manufacturing process				
3	Social competencies	He is aware of the social consequences of unconformity				
Assu	mptions and obj	ectives of the course:				
		of quality management (lectures) and n, knowledge of the basic principles		on and practical skills to create		
	Study outco	mes and reference to the	educational results for a	a field of study		
Knov	vledge:					
1. He k	knows the theoretical b	pasis for quality management - [K2_	_W10]			
		iques, and principles of quality man	-			
		system of quality management in the	ne construction industry - [K2_V	V10]		
Skills		and another state of a constant of the constan		[[/0		
Able to analyze the process of anticipating and preventing the construction quality problem - [K2_U12] Able to develop and run a system of continuous quality improvement mechanism - [K2_U12]						
Able to develop and run a system of continuous quality improvement mechanism - [K2_012] Can use common tools of quality management - [K2_U12]						
Social competencies:						
	•	d extends knowledge in quality mar	nagement - [K2_K03]			
		ly, to work in a team and manage it	-			
3. Foll	ows the rules of ethics	s - [K2_K11]				

Faculty of Civil and Environmental Engineering

Student Work includes:

- * The development and presentation of a selected topic in the subject
- * Project to improve the system of quality management
- * Written test

Rating scale (test):

more than 100 targeted

91-100 very good (A)

81 - 90 good plus (B)

71 - 80 Good (C)

61 - 70 is sufficient plus (D)

51 - 60 satisfactory (E)

insufficient under 50 (F)

Course description

Introduction, rationale implementation of quality management systems. Development of quality engineering genesis of quality management systems, current status and prospects for development. Authorities in the field of quality management (Deming's ideas, Juran, Crosby on white and others) - the concept of quality engineering based on their assumptions. The essence of Total Quality Management (assumptions, the basic elements). System measures, methods and tools of quality management and teamwork. Mutual communication, motivation and organizational culture. Understanding the principles of creating quality books in the enterprise. Introduction to the fundamental principles of the free market - simulation

Basic bibliography:

- 1. Zarządzanie jakością z przykładami, Wydawnictwo Naukowe PWN, Warszawa 2005, 2008
- 2. i Eckers Georges, Rewolucja Six Sigma ? jak General Electric i inne przedsiębiorstwa zmieniały proces w zyski, Akademia Białego Kruka, MT Biznes, Warszawa 2010

Additional bibliography:

1. PO PROSTU JAKOŚĆ. PODRĘCZNIK DO ZARZĄDZANIA JAKOŚCIĄ Jan M. Myszewski, 2009

Result of average student's workload

Activity	Time (working hours)
Participation in lectures / seminars	30
2. Participation in project in quality system	15
3. Preparation to test	15
4. Elaboration of project	20

Student's workload

Source of workload	hours	ECTS			
Total workload	75	2			
Contact hours	15	0			
Practical activities	10	0			