		STUDY MODULE DE	SCRIPTION FORM				
-	f the module/subject	_		Code			
	ices engineering			1010612221010646535			
Field of study Mechanika i budowa maszyn			Profile of study (general academic, practical) (brak)	Year /Semester			
Elective path/specialty			Subject offered in:	Course (compulsory, elective)			
		ering (Inżynieria produktu	-	obligatory			
Cycle o	f study:		Form of study (full-time,part-time)				
Second-cycle studies			full-t	full-time			
No. of h	ours			No. of credits			
Lectu	re: 1 Classes	s: 1 Laboratory: -	Project/seminars:	- 2			
Status of	of the course in the study	program (Basic, major, other)	(university-wide, from another find	•			
		(brak)		brak)			
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)			
techr	nical sciences			2 100%			
	Technical scie	ences		2 100%			
dr ir ema tel. Mac	onsible for subje aż. Krzysztof Koper ail: krzysztof.koper@pr 61 665 2110 chines and Transport Piotrowo 3, 60-965 Poz	ut.poznan.pl					
Prere	equisites in term	s of knowledge, skills and	social competencies:				
1	Knowledge	Elementary knowledge of econor commercial law and accounting.	conomics, business in industrial companies, the banking system, nting.				
2	Skills		rom the literature, internet, databases and other sources.				
3	Social competencies	Awareness and understanding the importance and impact of non-technical aspects of engineering activities.					
Ability to think and act in an entrepreneurial manner. Assumptions and objectives of the course:							
Teachi increas	ng how to add value to sing productivity, inspi	o services using scientific and engi ring creativity and innovations in se ineer/manager in global service se	rvices development and mana				
		mes and reference to the		a field of study			
Knov	vledge:						
	-	siness economy in the technology-i	elated service sectors [K2A_	_W14]			
Skills	S:						
	ty to develop technica ss sectors [K2A_U1	I description, market offer and doct 16]	umentation for a complex servio	ce in the technology-related			
	al competencies:						
1. Ability to take a leading role in the development, marketing and provision of technology-related services [K2A_K02]							
2. Abili	ty to take a leading ro	le in the development, marketing a	nd provision of technology-rela	ted services [K2A_K06]			
		Assessment method	s of study outcomes				
Lecture	e: written examination	. Exercise: evaluation of assignmer	nts prepared each meeting.				

Course description

Management and operations of service systems. Service processes. Roles of technologists versus managers/leaders in service sector. Marketing management for service systems engineers. Knowledge management. Creativity and innovations in services. Analytical and interpersonal skills of service systems manager. Financial and cost analysis of service processes. Ethics and integrity in service systems management and provision of services.

Basic bibliography:

1. Chang C. M., Service Systems Management and Engineering: Creating Strategic Differentiation and Operational Excellence, 2010, Wiley

2. Salvendy G. (ed.), Karwowski W., Introduction to Service Engineering, 2010, Wiley

Additional bibliography:

1. Kasper, H., Helsdingen, P., Gabbott, M., Services Marketing Management - a strategic perspective, 2006, Wiley 2. Payne A., McDonald M. B., Marketing Planning for Services, 1996, Routledge

Result of average student's workload

Activity	Time (working hours)						
1. Lecture participation		15					
2. Consolidation of lecture content	2						
3. Exercises participation	15						
4. Consultation	1						
5. Preparation for assessment		6					
6. Assessment participation	1						
Student's workload							
Source of workload	hours	ECTS					

Source of workload	hours	ECTS
Total workload	40	2
Contact hours	30	2
Practical activities	0	0