		STUDY MODULE D	ESCRIPTION FORM	
	f the module/subject strial project		-	ode 011101271011100503
Field of			Profile of study (general academic, practical)	Year /Semester
Engineering Management - Full-time studies -			(brak)	4/7
Elective	path/specialty	-	Subject offered in: Polish	Course (compulsory, elective) elective
Cycle of	study:		Form of study (full-time,part-time)	·
First-cycle studies			full-time	
No. of h	ours			No. of credits
Lectur	e: - Classes	s: - Laboratory: -	Project/seminars: 18	0 3
Status o	f the course in the study	program (Basic, major, other)	(university-wide, from another field	
		(brak)	(b	rak)
Educatio	on areas and fields of sci	ence and art		ECTS distribution (number and %)
technical sciences				3 100%
Technical sciences				3 100%
of E ul. S	(61) 665 3374 ngineering Manageme Strzelecka 11, 60-965 quisites in term		d social competencies:	
1	Knowledge	Knowledge from the range of co study on Engineering Managem	urses enclosed in the educational ent.	standard for the first-cycle
2	Skills	Skills obtained during the educational process from the range of courses enclosed in the educational standard for the first-cycle study on Engineering Management.		
3	Social competencies	Competences obtained during the educational process from the range of courses enclosed in the educational standard for the first-cycle study on Engineering Management.		
Assu	mptions and obj	ectives of the course:		
		zation of the knowledge obtained enterprise or institution and for de		
	Study outco	mes and reference to the	educational results for a	field of study
Know	/ledge:			
1. Has	basic knowledge abo	ut the life cycle of socio-technical	systems - [K1A_W23]	
	ws basic methods, tec iction and operation -	hniques, tools and materials used [K1A_W24]	l in solving simple engineering tas	ks in the field of machine
		essary to understand non-technica n the machine building industry -		ies; knows the basic principles
	ws typical industrial te les - [K1A_W27]	chnologies and knows in a deep v	vay the technologies of construction	on and operation of
5. knov	vs methods and instru	ments for designing organizationa	al structures of management - [K	A_W10]
Skills	:			

1. Is able to plan and carry out experiments, including computer measurements and simulations, interpret the obtained results and draw conclusions - [K1A_U12]

2. Can use analytical, simulation and experimental methods to formulate and solve engineering tasks - [K1A_U13]

3. Can - when formulating and solving engineering tasks? recognize their systemic, socio-technical, organizational and economic and non-technical aspects - [K1A_U14]

4. Can make a preliminary economic analysis of engineering activities - [K1A_U15]

Is able to make a critical analysis of technological processes of machine production and organization of production systems
[K1A_U16]

6. Is able to identify project tasks and solve simple design tasks in the field of machine construction and operation - [K1A_U17]

7. Can apply typical methods of solving simple problems in the field of construction and operation of machines - [K1A_U18]

8. Can design the construction and technology of simple parts and subassemblies of machines and design the organization of production units of the first degree of complexity - [K1A_U19]

9. Is able to plan and carry out experiments, including computer measurements and simulations, interpret the obtained results and draw conclusions - [K01-InzA_U1]

Social competencies:

1. is responsible for own work and ready to work in a team - [K1A_K02]

2. Recognizes causal relationships in achieving the set goals - [K1A_K03]

3. Is prepared to implement business ventures using the system approach including technical, economic, marketing, legal, organizational and financial aspects - [K1A_K07, K01-InzA_K2]

4. understands non-technical aspects and results of the engineer activity - [K01-InzA_K1]

5. Is aware of the importance and understands the non-technical aspects and effects of engineering activities, including its impact on the environment, and the related responsibility for decisions - [K1A_K08]

6. Is aware that creating products that meet the needs of users requires a systemic approach with regard to technical, economic, marketing, legal, organizational and financial issues - [K1A_K09]

Assessment methods of study outcomes

Forming assessment:

Current evaluation of suggestions for organizational changes presented by the tutor of the diploma thesis.

Final assessment:

Evaluation of the presentation prepared by the student, progresses of the research on the thesis and discussion of it.

Course description

Analysis of processes / systems: development and launch of the product on the market, marketing and sales, operation control, economic control of the enterprise, human resources management. man - work environment. Design for changes of selected processes / systems. The concept of a process-oriented organizational structure.

Basic bibliography:

1. consistent with the topic

Additional bibliography:

1. consistent with the topic

Result of average student's workload

Activity	Time (working hours)	
1. Preparation of the industrial project	15	
2. student?s own work	160	
3. Presentation and final assessment	5	
Student's wo	rkload	
Source of workload	hours	ECTS
Total workload	180	3
Contact hours	5	0
Practical activities	175	3