

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Production and service management 1</b>		Code <b>1011104251011115676</b>
Field of study <b>Logistics - Part-time studies - First-cycle</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>3 / 5</b>
Elective path/specialty <b>-</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>First-cycle studies</b>	Form of study (full-time,part-time) <b>part-time</b>	
No. of hours Lecture: <b>16</b> Classes: <b>-</b> Laboratory: <b>14</b> Project/seminars: <b>-</b>		No. of credits <b>4</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art <b>technical sciences</b>		ECTS distribution (number and %) <b>4 100%</b>
<b>Responsible for subject / lecturer:</b> dr inż. Ireneusz Gania email: ireneusz.gania@put.poznan.pl tel. 616653385 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań		<b>Responsible for subject / lecturer:</b> dr inż. Agnieszka Grzelczak email: -agnieszka.grzelczak@put.poznan.pl tel. 616653369 -Faculty of Engineering Management -ul. Strzelecka 11 60-965 Poznań
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Student has a fundamental knowledge in the field of process engineering, production and logistics organization
2	<b>Skills</b>	Student understands and is able to apply the parameters of manufacturing process and systems for designing of organization of work stations
3	<b>Social competencies</b>	Student understands and is prepared to manage production and services especially in the scope of designing of organization of production
<b>Assumptions and objectives of the course:</b> -Students become familiar with fundamentals of management of production and services		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Student can define object, scope and basic relationship in manage production and service field - [K1A_W04,K1A_W07] 2. Student is able to describe historical development of service and operations management and indicate actual trends within this discipline - [K1A_W08,K1A_W10] 3. Student has a wide knowledge about fundamentals organization of production - [K1A_W13,K1A_W14]		
<b>Skills:</b>		
1. Student is able to formulate design task (engineering) in the field of production systems? structures as well as to select adequate tools and methods to solve this problem - [K1A_U04,K1A_U13] 2. Student can design manufacturing system and process by means of appropriate methods and techniques - [K1A_U14,K1A_U15] 3. Student is able to prepare and present in polish or foreign language discussion of problem of production management - [-]		
<b>Social competencies:</b>		
1. Student is responsible for correct identification and arbitration of dilemma related with practice of profession in the service and operations management? domain - [K1A_K02,K1A_K03] 2. Student understands and knows possibilities for Farthest self-improvement - [K1A_K04,K1A_K05] 3. Student can transfer his knowledge other members of project group and he has consciousness of liability for personal work and readiness of subordination in group principles of work - [K1A_K06, KInZA_W05]		

<b>Assessment methods of study outcomes</b>		
Current activity assessment, final test		
<b>Course description</b>		
-Essence of manage production and service. Classification of processes in enterprise, organized process. Parameters and normatives of production manage., manufacturing process modeling area, controlling standards. Product or service, production assortment, construction and production series, program of production, speed of production, time interval,. Production cycle,. Production possibilities Load and possibility of production compare. Production capacity manage, scheduling, production flow analyze. Fundamental of production and service controlling.		
<b>Basic bibliography:</b>		
1. Organizacja i sterowanie produkcją, Brzeziński M, AW Placet, Warszawa, 2002		
2. Inżynieria zarządzania, Durlik I., AMP WN, Katowice, 1993		
3. Projektowanie struktur systemów produkcyjnych, Mazurczak J., WPP, Poznań, 2001		
4. Zarządzanie. Produkcja i usługi, Muhlemann A., Oakland J., Lockyer K, PWN , Warszawa, 2001		
<b>Additional bibliography:</b>		
1. Zarządzanie produkcją, Głowacka D., Fertsch M., WSL, Poznań, 2004		
2. Podstawowe zagadnienia zarządzania produkcją, Liwowski B., Kozłowski R., Oficyna Ekonomiczna, Kraków, 2006		
3. Zarządzanie produkcją. Produkt, technologia, organizacja, Pająk E., PWN, Warszawa, 2006		
<b>Result of average student's workload</b>		
Activity	Time (working hours)	
1. Participation in lectures	16	
2. Participation in laboratories	14	
3. Literaturę studiem	40	
4. Independent solving of tasks	20	
5. Preparation for test	10	
<b>Student's workload</b>		
Source of workload	hours	ECTS
Total workload	100	4
Contact hours	60	3
Practical activities	14	1