

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Production Management		Code 1011101341011111178
Field of study Engineering Management - Full-time studies -	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 4
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 30 Classes: 15 Laboratory: - Project/seminars: 15		No. of credits 4
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art		ECTS distribution (number and %)
Responsible for subject / lecturer: dr inż. Agnieszka Grzelczak email: agnieszka.grzelczak@put.poznan.pl tel. 61 665 33 69 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań		Responsible for subject / lecturer: dr inż. Agnieszka Grzelczak email: agnieszka.grzelczak@put.poznan.pl tel. 61 665 33 69 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	The student has a basic knowledge of the technology used and the basis for the management and organization of work stations.
2	Skills	The student understands and can apply the parametric description of the process and the design of the production system and the organization of work stations.
3	Social competencies	The student understands and is prepared for production management especially in the design of the organization of production.
Assumptions and objectives of the course: To familiarize students with the basics of production management.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. It has a basic knowledge of the life cycle of socio-technical systems in terms of production management - [K01-InzA_W01] 2. He knows the basic methods, techniques and tools used in production management - [K04-InzA_W02] 3. He knows the mechanisms linking economic knowledge on the management of knowledge production - [K05-InzA_W03] 4. It has a basic knowledge of production management in business - [K06-InzA_W04]		
Skills:		
1. It can make a critical analysis of the production process - [K01-InzA_U5] 2. Able to identify and solve design tasks in the production - [K01-InzA_U6] 3. He can properly analyze the causes and course of the specific processes and phenomena in the discipline of management science - [K01-InzA_U7] 4. Apply conventional engineering solutions in production processes - [K01-InzA_U8] 5. Able to design processes - [K01-InzA_U5]		
Social competencies:		
1. He is aware of a comprehensive approach to the economic and engineering processes - [K01-InzA_K2]		
Assessment methods of study outcomes		

Forming Rating: Exercise: Based on the assessment of the progress of the task Lectures: on the basis of answers to questions concerning the material discussed in the previous lectures. Rating summary: Exercises: test Lectures: final grade		
Course description		
The essence of production management. Classification of business processes, the process organized. The parameters and norms of production management, space modeling of the manufacturing process, the control plane. The product (product or service), the basis of technical preparation of production, product range, the program, the pace and rhythm of production. The production cycle of the product performance. Inventories production and their functions. Production capacity, balancing the burden of production capacity. Management of production capacity, scheduling, production flow analysis. Fundamentals of production control.		
Basic bibliography:		
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 5. Sterowanie przepływem produkcji, Senger Z, WPP, Poznań, 1998		
Additional bibliography:		
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		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in lectures	30	
2. Participation in exercises and activities of project	30	
3. Consultation	15	
4. Independent problem solving	15	
5. Preparing to pass	8	
6. Pass	2	
Student's workload		
Source of workload	hours	ECTS
Total workload	100	4
Contact hours	62	2
Practical activities	30	1