		STUDY MODULE D	ESCRIPTION FOR	M			
	f the module/subject ning and produc	tion control	Code 1011102421011118900				
Field of	study		Profile of study (general academic, pra	ctical)	Year /Semester		
Logi	stics - Full-time	studies - Second-cycle	general acade		1/2		
Elective	path/specialty		Subject offered in:		Course (compulsory, elective)		
		porate Logistics	Polish		elective		
Cycle of	study:		Form of study (full-time,part-	time)			
	Second-c	ycle studies	full-time				
No. of hours			No. of credits				
Lectur	e: 30 Classes	s: - Laboratory: -	Project/seminars:	30	5		
Status of the course in the study program (Basic, major, other) (university-wide, from and							
		other	u	nivers	ty-wide		
Education	on areas and fields of sci	ence and art			ECTS distribution (number and %)		
tochr	ical sciences				5 100%		
lecin	Technical scie	ncos			5 100%		
	rechinical scie	ences			5 100 /6		
ul. S	The student has the ability to perceive and interpret the facts taking place in the sphere of						
3	Social competencies	The student understands the res control of production	ponsibility for decisions re	elated to	planning and shop floor		
Assu	mptions and obj	ectives of the course:					
Getting and sh	to know the basics o op floor control. Realiz	f the issues relevant to the field of zation of the project system for pla	production planning, pres nning and shop floor cont	entation rol.	production planning system		
	Study outco	mes and reference to the	educational results	for a f	ield of study		
Know	/ledge:						
1. The	student characterized	decisions on the levels of produc	ion planning and shop flo	or contro	I - [K2A_W02]		
2. The student explains rules of formation and types of GHP - [K2A_W05]							
3. The student characterized basic rules and methods of controlling the flow of material streams - [K2A_W08]							
	student explains the t - [K2A_W09]	basic concepts: model of production	n control, disruptions, time	e and but	fer stock, the operational		
		MRPII logic of planning - [K2A_W	'12]				
6. The	student characterized	typical structure of production pla	nning - [K2A_W13]				
Skills	:						
1. The student is able to present solution of the a developed production planning system - [K2A_K04]							
2. The student has the ability to self-propose solutions of specific problem in the area of production planning and shop floor control - [K2A_U05]							
3. The student can design a process indicators analysis to evaluate the proposed production planning system - [K2A_U09]							
4. The	4. The student can formulate task of building the system of production planning and shop floor control - [K2A_U17]						
		production planning system for sp	ecific organizational condi	tions - [K2A_U19]		
Socia	Social competencies:						

1. The student is aware of their responsibility for their own work and the willingness to subordinate with the rules of teamwork and take responsibility in the group of project - [K2A_K03]

Assessment methods of study outcomes

Formative assessment:

a) For the project: on the basis of progress in the implementation stages of the project, and knowledge of the issues necessary to carry b) for the lecture: on the basis of answers to questions about the topics covered in previous lectures Recapitulative assessment:

a) For the project: on the basis of (1) the quality of the project (2) answers to questions about the project b) for the lecture: on the basis of exam - written work on the issues discussed during the lecture. The exam can be applied after obtaining the ratings of the project and the laboratory. The exam is passed, after giving the correct answers to most questions

Course description

Lecture:

Overview of the typical planning structure for a manufacturing company.

Discuss production planning decisions at the level; strategic, tactical and operational.

Decisions in the field of production planning at the level of: finished goods, components and operations.

Create a Master Production Schedule (GHP).

"Forward" and "backward" planning. Model MRPII.

The essence of production control and control principles, together with methods of inter-departmental and intra-departmental production control, is discussed.

Project: Project: Creation of the planning and shop floor control system for the fixed production and organizational conditions including the planning at the level of finished goods, components and operations. Creation of a system of indicators (controlling) for the manufacturing process.

Didactic methods:

Lecture: information lecture, problem lecture

Project: project method

Basic bibliography:

1. Hadaś Ł., Fertsch M., Cyplik P., Planowanie i sterowanie produkcją, Wydawnictwo Politechniki Poznańskiej, Poznań, 2012

2. Senger Z., Sterowanie przepływem produkcji, Wydawnictwo Politechniki Poznańskiej, Poznań, 1998

3. Fertsch M., Podstawy zarządzania przepływem materiałów w przykładach, Biblioteka logistyka, Wydawnictwo ILiM, Poznań, 2003

4. Brzeziński M., Organizacja i sterowanie produkcją. Projektowanie systemów produkcyjnych i procesów sterowania produkcją, Agencja Wydawnicza Placet, Warszawa 2002.

Additional bibliography:

1. Liker J. K., Droga Toyoty. 14 zasad zarządzania wiodącej firmy produkcyjnej świata, MT Biznes, Warszawa 2005

2. Goldratt E., Cox J., Cel. Doskonałość w produkcji, WERBEL, Warszawa 2000

Result of average student's workload

Activity	Time (working hours)	
1. Lecture		30
2. Project	30	
3. Own work	40	
4. Consulation	10	
5. Preparing to pass exam	15	
Student's wo	orkload	
Source of workload	hours	ECTS
Total workload	125	5
Contact hours	70	3
Practical activities	30	1

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