

**DESCRIPTION OF THE COURSE OF STUDY
FOR EXCHANGE STUDENTS**

Kod przedmiotu	0413.4.ZARZ1.D46.ZPR	
Name of the course in	English	<i>Production Management</i> Zarządzanie produkcją
	Polish	

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of studies	Management
1.2. Form of studies	Full Time / Part Time
1.3. Level of studies	I degree (Bachelor's Degree)
1.4. Profile of studies	Academic
1.5. Person responsible for the card	Prof. Jarosław Prońko, PhD
1.6. Kontakt	jpronko@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Language	English, Polish
2.2. Prerequisites	Project Management, Quality management

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture, practical classes, e-learning	
3.2. Place of classes	Lecture and practical classes at University, e-learning – educational platform	
3.3. Form of assessment	Lecture – exam, practical classes – graded credit, e-learning - approval	
3.4. Didactic methods	Lecture with presentation Practical classes – workshops E-learning – data analysis, case studies	
3.5. Literature	Basic	1. Edward Pająk, Zarządzanie produkcją, Produkt, technologia, organizacja, Wyd. PWN, Warszawa 2019. 2. Nowoczesne zarządzanie produkcją. Ujęcie procesowe, red. Kazimierz Szatkowski, PWN, Warszawa 2014. 3. Pająk E., Klimkiewicz M., Kosieradzka A., Zarządzanie produkcją i usługami, Polskie Wydawnictwo Ekonomiczne, Warszawa 2014.
	Additional	1. Telsang Martand T., Production Management, S Chand & Company; Reprint Edition 2007 edition (1 December 2007)

4. OBJECTIVES, SYLLABUS CONTENT

<p>4.1. Subject objectives</p> <p>Lecture:</p> <p>C1. Knowledge – Getting to know and understanding the basic concepts of the production system, production process, product and forms and varieties of production organization.</p> <p>C2. Skills – Ability to use modern methods of production planning and control and to use them in research.</p> <p>C3. Social competences – Effective attitude to use modern methods of production planning and control.</p> <p>Practical classes and e-learning:</p> <p>C1. Skills - The student is able to calculate the basic production parameters.</p> <p>C2. Skills – The student is able to optimize assortment structures.</p> <p>C3. Skills – The student is able to plan production in synchronous and asynchronous processes..</p>
<p>4.2. Detailed syllabus</p> <p>Lecture:</p> <ol style="list-style-type: none"> 1. Introduction to the management of production processes 2. Production preparation process 3. Production processes in conventional production systems 4. Production processes in automated production systems <p>Practical classes:</p> <ol style="list-style-type: none"> a. Tasks in the field of economic foundations of production management b. Economical and technological optimum of production volume c. The range of profitability of production in the market of perfect competition and monopoly d. Optimization of the assortment structure e. Production planning tasks f. Gant (Adamiecki) schedules

g. In synchronous pipelines
E-learning - lectures:
1. Production handling processes
2. Production flow control processes
3. Comprehensive production and enterprise management methods
E-learning – practical classes:
1. Production planning tasks
2. Gant (Adamiecki) schedules
3. In synchronous pipelines
4. In asynchronous pipelines
5. Load balancing

4.3. Subjects' learning outcomes

LO	A student who has passed a subject	Reference to directional learning outcomes
In terms of KNOWLEDGE:		
W01	characterizes the development of production structures in a time horizon and indicates the structural factors of this process..	ZARZ1A_W06
W02	describes the main attributes of a manufacturing company.	ZARZ1A_W07
W03	knows management processes and uses them in the operation of a production company.	ZARZ1A_W08
in terms of SKILLS:		
U01	observes, analyzes, interprets and describes phenomena and processes in a production company, using the theoretical knowledge acquired during his studies.	ZARZ1A_U02
U02	critically assesses phenomena occurring in the life of a production company.	ZARZ1A_U04
In terms of SOCIAL COMPETENCES:		
K01	is aware of the need to constantly broaden his knowledge and improve his skills in the field of production management.	ZARZ1A_K05

Ways of verifying the achievement of the learning outcomes in question										
Learning outcome	Way of verifying (+/-)									
	Written exam			Test			Activity during classes			Test
	Form of classes			Form of classes			Form of classes			Form of classes
	W	C	...	W	C	...	W	C		E-learning
W01	+				+			+		+
W02	+				+			+		+
W03	+				+			+		+
U01	+				+			+		+
U02	+				+			+		+
K01	+							+		+

4.5. Criteria for assessing the degree of achievement of learning outcomes

Form of classes	Grade	Assessment criteria
Lecture	3	Possessed basic knowledge, skills and social competences verified by a written exam. Passed the written exam at the level of 50% to 59% of the maximum possible points.
	3,5	Possessed basic knowledge, skills and social competences verified by a written exam. Passed the written exam at the level of 60% to 69% of the maximum possible points..
	4	Possessed basic knowledge, skills and social competences verified by a written exam. Passed the written exam at the level of 70% to 79% of the maximum possible number of points.
	4,5	Possessed basic knowledge, skills and social competences verified by a written exam. Passed the written exam at the level of 80% to 89% of the maximum possible number of points..
	5	Possessed basic knowledge, skills and social competences verified by a written exam. Passed the written exam at the level of 90% to 100% of the maximum possible number of points.
Practical classes	3	The student passed the test at the level of 50-60% of the maximum possible number of points.
	3,5	The student passed the test at the level of 61-70% of the maximum possible number of points.
	4	The student passed the test at the level of 71-80% of the maximum possible number of points.
	4,5	The student passed the test at the level of 81-90% of the maximum possible number of points.
	5	The student passed the test at the level of 91-100% of the maximum possible number of points.
	It is possible to gain additional points added to the test result for active participation in exercises and	

	homework/group work.	
E-learning	Lecture - Passed	Passing the test at the level of 51-100% of the maximum number of points possible to get.
	Classes - passed	Completing tasks at the level of 51-100% of the maximum number of points possible to get.

4. ECTS POINTS BALANCE - STUDENT WORKLOAD

Category	Student workload	
	Full time studies*	Part time studies*
<i>NUMBER OF HOURS IMPLEMENTED WITH DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	65	30
<i>Participation in lectures</i>	23	15
<i>Participation in practical classes</i>	23	10
<i>Participation in the exam / test</i>	3	3
<i>Other: e-learning lecture</i>	14	0
<i>Other: consultancy</i>	2	2
<i>STUDENT'S INDEPENDENT WORK /NON-CONTACT HOURS/</i>	85	120
<i>Preparation for the lecture</i>	10	10
<i>Preparation for the practical classes</i>	30	40
<i>Preparation to the exam / test</i>	45	70
TOTAL HOURS	150	150
ECTS Credits	6	6