

Course code:

Plan position:

A. INFORMATION ABOUT THE COURSE

B. Basic information

Name of course	Production Management
Field of studies	Management
Level of studies	first degree
Profile of studies	general academic studies
Form of studies	full-time studies
Specialty	
Unit responsible for the field of studies	Faculty of Management
Name and academic degree of teacher(s)	Wojciech Żarski, PhD.
Introductory courses	no requirements
Introductory requirements	Basic knowledge of management

C. Semester/week schedule of classes

Semester	Lectures (W)	Auditorium classes (Ć)	Laboratory classes (L)	Project classes (P)	Seminar (S)	Field classes (T)	Number of ECTS points
fall, spring	15	15					6

2. LEARNING OUTCOME

No.	Learning outcomes description	The reference to the learning outcomes of specific field of study	The reference to the learning outcomes for the area
KNOWLEDGE			
W1	On successful completion of the course student is supposed to have a knowledge of modern production systems and the organization and management of production processes and supplies.	K_W34	P6S_WG
SKILLS			
U1	On successful completion of the course student is supposed to control production, to use control systems to ensure the quality of production and to use modern production management methods.	K_U36	P6S_UW
SOCIAL COMPETENCES			
K1	On successful completion of the course student is supposed to be able to understand the importance of effective management of the production system and the need for continuous improvement.	K_K15	P6S_KK

3. TEACHING METHODS

A. Traditional methods used ***

multimedia lecture, discussion, case studies

B. Distance learning methods used ***

Synchronous method (classes conducted in a way that ensures direct interaction between the student and the teacher in real time, enabling immediate flow of information, the method can be used only if it is provided for in the study plan for a given cycle of education):
 e.g. remote lecture in the form of videoconference, remote discussion, etc.

Asynchronous method used as an auxiliary (a method that does not ensure direct interaction between the student and the teacher in real time, used only as an auxiliary / complementary method):
 e.g. online educational videos, online multimedia presentations, etc.

4. METHODS OF EXAMINATION

test

5. SCOPE

Lectures	Evolution of production and management methods. Control standards the flow of production. Resource planning and production project management in based on production infrastructure and documentation as well as normative demand material and labor consumption. Organization of the production process. Product’s classification. Product life cycle, Product quality, The essence of planning and control of production implementation. Safety of production processes.
Auditorium classes	Aggregated planning - company-wide Intercellular planning and control Intracellular control Computer aided production management - PPC class IT systems (MRP, CL-MRP, MRP II, ERP / ERP II (MES) Contemporary concepts and methods of production management (Lean Production strategy, Total Quality Management, 5S, Poka Yoke, VSM)

6. METHODS OF VERIFICATION OF LEARNING OUTCOMES

LEARNING OUTCOME	Form of assessment					
	Oral examination	Written exam	Colloquium	Project	Presentation
W1		x				
U1		x				
K1		x				

7. LITERATURE

Basic literature	Kumar, S. Anil, and N. Suresh. <i>Production and operations management</i> . New Age International, 2006. Pająk, Edward. <i>Zarządzanie produkcją: produkt, technologia, organizacja</i> . Wydawnictwo Naukowe PWN, 2010. Szatkowski, Kazimierz. <i>Nowoczesne zarządzanie produkcją: ujęcie procesowe</i> . Wydawnictwo Naukowe PWN (2014).
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Supplementary literature	Wilson, Lonnie. <i>How to implement lean manufacturing</i> . McGraw-Hill Education, 2010.
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8. TOTAL STUDENT WORKLOAD REQUIRED TO ACHIEVE EXPECTED LEARNING OUTCOMES EXPRESSED IN TIME AND ECTS CREDITS

Student's activity		Student workload– number of hours
Classes conducted under a direct supervision of an academic teacher or other persons responsible for classes	Participation in classes indicated in point 1B	30
	Supervision hours	15
Student's own work	Preparation for classes	30
	Reading assignments	40
	Other (preparation for exams, tests, carrying out a project etc)	35
Total student workload		150
Number of ECTS points		6