Cracow University of Technology
Course syllabus
binding for the doctoral students of the CUT Doctoral School commencing their studies
in the academic year 2022/2023

Information on the course

Name of the course in Polish	Logistyka
Name of the course in English	Logistics
Number of the ECTS points	1
Language of instruction	Polish
Category of the course	Choosable
Field of education	Engineering and technology
Discipline of education	Mechanical engineering
Person responsible for the course Contact	Maciej Szkoda, *doctor habilitatus,* prof. of CUT maciej.szkoda@pk.edu.pl

Type of course, number of hours in the study programme curriculum

Semester	Credit type (G / NG)*	Lecture	Practical classes	Laboratory	Computer Lab	Project Class	Seminar
2, 3, 4, 5	G	15	0	0	0	0	0

*G – graded credit, NG – non-graded credit

Course objectives

Code	Objective description
Objective 1	Introduction to the basics of logistics and the essence of logistics management.
Objective 2	Acquiring the theoretical and practical skills of using modern tools and solutions in enterprise logistics.

Learning outcomes

Code	Description of the learning outcome adjusted to the specific characteristics of the discipline	Learning outcome symbol in the CUD DS	Methods of verification
OUTCOMES RELATED TO KNOWLEDGE			
EUW1	The doctoral student who has successfully completed the course knows the concepts of logistics and the structure of logistics systems.	E_W01, E_W02	Involvement in class activities, assessment of an oral or test answer.
EUW2	The doctoral student who has successfully completed the course knows the theoretical foundations of logistic systems design and assessment of their effectiveness.	E_W01, E_W02	Involvement in class activities, assessment of an oral or test answer.
OUTCOMES RELATED TO SKILLS			

EUU1	The doctoral student who has successfully completed the course is able to assess the impact of logistics on the functioning of the company and plan and implement logistics processes.	E_U01	Involvement in class activities, assessment of an oral or test answer.
EUU2	The doctoral student who has successfully completed the course is able to design logistics systems for supply and distribution and locate nodal points of logistics networks.	E_U01	Involvement in class activities, assessment of an oral or test answer.
OUTCOMES RELATED TO SOCIAL COMPETENCES			
EUK1	The doctoral student is prepared to critically assess the methodology of the logistic processes used in the enterprise.	E_K01, E_K03	Involvement in class activities, assessment of an oral or test answer.

Course outline

No.	Contents	Learning outcomes for the course	No. of hours
LECTURE			
W1	The concept of logistics and stages of development of logistics concepts. Logistics processes and services, indicators and measures for their evaluation.	EUW1, EUU1, EUK1, EUK2	3
W2	Logistic concept of material supply, organization of the supply logistics subsystem.	EUW1, EUU1, EUK1, EUK2	3
W3	Storing and shaping the level of raw materials and finished products inventories, inventory management.	EUW1, EUU1, EUK1, EUK2	3
W4	Production logistics, selected theoretical and practical issues.	EUW1, EUU1, EUK1, EUK2	3
W5	Distribution logistics, distribution channels, and the basics of designing distribution channels.	EUW1, EUU1, EUK1, EUK2	3

The ECTS points statement

WORKING HOURS SETTLEMENT	
Type of activity	Average number of hours (45 min.) dedicated to the completion of an activity type
SCHEDULED CONTACT HOURS WITH AN ACADEMIC TEACHER	
Hours allotted in the syllabus	15
Consultations	1
Examination / course credit assignment	1
HOURS WITHOUT THE PARTICIPATION OF AN ACADEMIC TEACHER	
Independent study of the course contents	7
Preparation of a paper, a report, a project, a presentation, a discussion	6
ECTS POINTS STATEMENT	
Total number of hours	30
The ECTS points number	1

Preliminary requirements

No.	Requirements
1	None specified.

Course credit assignment conditions / method of the final grade calculation

No.	Description
COURSE CREDIT ASSIGNMENT CONDITIONS	
1	75% attendance in class.
2	Oral answer or passing a test on the program content realized during the lectures
METHOD OF THE FINAL GRADE CALCULATION	
Assessment of the completion of the material realized during the lecture, taking into account the attendance.	

Additional information

None specified.

The course reading list

1	Kisperska-Moroń D., Krzyżaniak S. *Logistyka*, Poznań, 2009, Wydawnictwo Biblioteka Logistyka.
2	Simha R. M., Jeffrey W., *Integrated Business Processes with ERP Systems*, USA, 2011, Wiley Publishing.
3	Klepacki B. *Logistyka*, 2021, Wydawnictwo CeDeWu.
4	Szymonik A., Chudzik D., *Logistyka nowoczesnej gospodarki magazynowej*, 2017, Wydawnictwo Difin.
5	Krawczyk S., *Logistyka teoria i praktyka,* 2011, Wydawnictwo Difin.