POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Supply chain management [S2Log2E-SL>ZŁD]

Course

Field of study	Year/Semester
Logistics	1/2
Area of study (specialization)	Profile of study
Logistics Systems	general academic
Level of study	Course offered in
second-cycle	english
Form of study	Requirements
full-time	compulsory

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
30	0	0
Tutorials	Projects/seminars	
0	30	

Number of credit points

4,00

Coordinators

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Lecturers

Prerequisites

The student starting this subject should have a basic knowledge of logistics& supply chain management. He should also be able to obtain information from specified sources and be willing to cooperate as part of a team.

Course objective

Mastering the student's knowledge, skills and social competences related to supply chain management.

Course-related learning outcomes

Knowledge:
1. The student has basic knowledge of the dependencies related to supply chain management. [P7S_WG_01]
2. The student knows the basic issues in the field of production engineering and its connections with supply chain management. [P7S_WG_02]
3. The student knows extensive concepts for logistics and its detailed problems and supply chain management [P7S_WG_05]
4. The student knows detailed methods, tools and techniques specific to supply chain management.

[P7S_WK_01]

Skills:
1. The student is able to collect information about the problem within logistics and its detailed issues related to supply chain management based on the literature and other sources and in an orderly manner. [P7S_UW_01]
2. The student is able to design, using appropriate methods and techniques, an object, system or logistics process and the process related to it, including determining the path of its implementation and potential threats or limitations related to supply chain management. [P7S_UW_05]
3. The student is able to design, using appropriately selected means, an experiment, an analysis process or a scientific study solving a problem within the framework of supply chain management.[P7S_UK_01]
4. The student is able to identify changes in requirements, standards, regulations, technical progress and the reality of the labor market and, based on them, determine the need to supplement own and other knowledge related to supply chain management. [P7S_UU_01]

Social competences:
1. The student is responsible for his or her own work and is ready to follow the rules of teamwork and take responsibility for jointly performed tasks related to supply chain management. [P7S_KR_01]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: assessment on the basis of a written test - exam.
Design: Assessment based on the design developed by the team.

Programme content

Lecture: Supply chain as a logistics system. Supply chain models. Choosing a supply chain strategy. Strategic analysis. Krajlic, Cox, Saunders models. Olsen and Ellram model, chain. Supply chain configuration: Supply chain configuration theories. Supply chain dimensions. Physical system management: identification of available alternatives, data collection and use, selection of methods and techniques for analyzing alternatives, selection of criteria for assessing alternatives, analysis of results.
Project: In the design class, students design the supply chain specified by the lecturer.

Teaching methods

In the scope of lectures: informative lecture supported by a multimedia presentation.
Project: project method supported by a multimedia presentation illustrated with the examples given on the board.

Bibliography

Basic:
1. Fertsch M., Projektowanie łańcuchów dostaw, Wydawnictwo Politechniki Poznańskiej, Poznań, 2012.
2. Kisperska-Moroń D. (red.), Pomiar funkcjonowania łańcucha dostaw, Prace Naukowe Akademii Ekonomicznej Imienia Karola Adamieckiego w Katowicach, Katowice, 2006.
3. Ciesielski M., Długosz J. (red.), Strategie łańcuchów dostaw, PWE, Warszawa, 2010.
4. Gołębska E., Szymczak M., Informatyzacja w logistyce przedsiębiorstw, PWN, Warszawa, 1997.

Additional:
1. Witkowski J., Zarządzanie łańcuchem dostaw, PWE, Warszawa, 2010.
2. Schary P.B., Skjott-Larsen T., Zarządzanie globalnym łańcuchem podaży, Wydawnictwo Naukowe PWN, Warszawa, 2002.

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	60	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	40	1,50