



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Supply Chain Management [N2Log2-MPTS>ZŁD]

### Course

Field of study

Logistics

Year/Semester

2/3

Area of study (specialization)

Manager of a Transport and Forwarding Company

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

part-time

Requirements

elective

### Number of hours

Lecture

8

Laboratory classes

0

Other

0

Tutorials

8

Projects/seminars

8

### Number of credit points

3,00

### Coordinators

prof. dr hab. inż. Marek Fertsch  
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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 knows in-depth the relationships that govern a given area of supply chain management [P7S\_WG\_01]
2. The student knows in-depth issues in the field of supply chain management [P7S\_WG\_02]
3. The student knows in-depth the concepts of logistics and supply chain management [P7S\_WG\_05]
4. The student knows detailed methods, tools and techniques characteristic of supply chain management in the context of fundamental dilemmas of modern civilization [P7S\_WK\_01]

#### Skills:

1. The student is able to collect, based on the subject literature and other sources (in Polish and English), synthesize and present in an orderly manner information regarding a problem within the scope of supply chain management [P7S\_UW\_01]
2. The student is able to design, using appropriately selected means, an experiment, analysis process or scientific research solving a complex (including unusual) problem within the framework of supply chain management [P7S\_UW\_02]
3. The student is able to design, using appropriate methods and techniques, an object, system or logistics process and the process associated with it, along with determining the path of its implementation and potential threats or limitations in the field of supply chain management [P7S\_UK\_05]
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 needs to supplement own knowledge [P7S\_UU\_01]

#### Social competences:

1. The student is able to inspire and organize the learning process of other people in the field of supply chain management [P7S\_KR\_02]

### 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.

Tutorial: credit based on the result of the written test.

Design: Assessment based on the design developed by the team.

### Programme content

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. Tutorial: Best Practices and Case Study Analyzes for Supply Chain Management. Project: In the design class, students design the supply chain specified by the lecturer.

### Course topics

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. Tutorial: Best Practices and Case Study Analyzes for Supply Chain Management. 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.

Classes: exercise method and carrying out a task assigned by the teacher, case studies.

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	75	3,00
Classes requiring direct contact with the teacher	24	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	51	2,00