POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Logistics Management

Course

Field of study	Year/Semester
Logistics	1/1
Area of study (specialization)	Profile of study
Production-Logistics Systems	general academic
Level of study	Course offered in
Second-cycle studies	Polish
Form of study	Requirements
full-time	elective

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
30		
Tutorials	Projects/seminars	
15	15	

Number of credit points

5

Lecturers

Responsible for the course/lecturer:

Prof. Marek Fertsch, Ph.D., D.Sc., Eng.,

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Faculty of Engineering Management

ul. J. Rychlewskiego 2, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

The student starting this subject should have a basic knowledge of logistics logistics engineering & 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 logistics management.

Course-related learning outcomes

Knowledge

1. Student knows extended issues related to logistics management [P7S_WG_08]

2. Student knows detailed methods, tools and techniques specific to logistics management [P7S_WK_01]

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3. Student knows the conditions for the functioning of companies as participants in logistics processes and the strategies of their operation related to logistics management [P7S_WK_02]

4. Student knows the best practices related to logistics management [P7S_WK_04]

Skills

1. Student is able to collect, based on the literature on the subject and other sources (in Polish and English) and present in an orderly manner, information on problems related to logistics management [P7S_UW_01]

2. Student is able to communicate using appropriately selected means in a professional environment and in other environments within logistics and its specific issues related to logistics management [P7S_UW_02]

3. Student is able to critically analyze technical solutions used in the analyzed logistics system (in particular with regard to devices, facilities and processes) related to logistics management [P7S_UW_04]

4. Student is able to assess the usefulness and possibility of using new achievements (techniques and technologies) related to logistics management [P7S_UW_06]

5. Student is able to prepare a well-documented study of problems related to logistics management in Polish and English at the B2 level of the Common European Framework of Reference for Languages [P7S_UK_02]

Social competences

1. Student correctly identifies and resolves dilemmas related to the profession of logistics manager, observing the principles of professional ethics and respecting the diversity of views and cultures [P7S_KK_02]

2. Student is able to plan and manage creatively business ventures [P7S_KO_01]

3. Student is aware of responsibility for one's own work and is ready to obey the principles of teamwork and take responsibility for jointly performed tasks [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).

Exercises: assessment based on individual exercise results.

Project: assessment based on a team-based design.

Programme content

Lecture: Logistics strategies: classic strategy, MRP, MRP II, DRP, DRPII, JiT, QR, ECR, supply chain, lean and agile logistics. Organization of logistics in an enterprise: place of the logistics organizational unit

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according to functional orientation, place of the logistics organizational unit according to process orientation.

Exercises: Logistics decision problems in customer service, the essence of the integration of economic processes and a systemic approach to logistics, classic strategy, JiT, lean and agile logistics, indicators and criteria for the evaluation of the logistics supply chain.

Project: Information technologies supporting and integrating the flow of information and material in the enterprise and the supply chain. Identification of IT systems supporting the implementation of logistics strategies.

Teaching methods

Lecture: informative (conventional) lecture supported by a multimedia presentation and illustrated with examples given on the blackboard.

Exercises: an exercise method supported by a multimedia presentation, presentation of the content illustrated with examples given on the board and the completion of tasks given by the teacher.

Project: project method - the implementation of a large, multi-stage cognitive or practical task, the effect of which is the creation of a work.

Bibliography

Basic

1. Fertsch M., Zarządzanie logistyką, Wydawnictwo Politechniki Poznańskiej, Poznań, 2012.

2. Fertsch M., Struktury organizacyjne dla potrzeb logistyki [w;] Kisperska-Moroń D., Krzyżaniak S. (red.), Logistyka, Wydawnictwo Instytutu Logistyki i Magazynowania, Poznań, 2009.

3. Dębińska-Cyran I. (red.), Zarządzanie logistyką w warunkach polskich, Difin, Warszawa, 2004.

4. Coyle J.J., Bardi E.j., LAngley Jr C.J., Zarządzanie logistyczne, PWE, Warszawa, 2002.

Additional

1. Beyer F., Rutkowski H., Logistyka, SGH, Warszawa, 1994.

2. Pfohl H.-Ch., Zarządzanie logistyką, ILiM, Poznań, 1998.

Breakdown of average student's workload

	Hours	ECTS
Total workload	125	5,0
Classes requiring direct contact with the teacher	60	2,5
Student's own work (literature studies, preparation for project classes/tutorials, preparation for exam, project preparation) [1]	65	2,5

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[1] delete or add other activities as appropriate