COURSE DESCRIPTION CARD - SYLLABUS

Course name

International Logistics

Course

Field of study	Year/Semester
Logistics	2 / 3
Area of study (specialization)	Profile of study
Logistics Systems	general academic
Level of study	Course offered in
Second-cycle studies	English
Form of study	Requirements
full-time	compulsory

Number of hours

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

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

Ph.D., D.Sc., Eng. Jacek Żak, University Professor

Mail to: jacek.zak@put.poznan.pl

Phone: +48 616652230

Faculty of Engineering Management

ul. Piotrowo 3, 61-138 Poznań

Responsible for the course/lecturer:

Ph.D., dr Karolina Olejniczak

Mail to: karolina.olejniczak@put.poznan.pl

Phone: +48 616653415

Faculty of Engineering Management

ul. J. Rychlewsskiego 2, 60-965 Poznań

Prerequisites

Student has a basic knowledge in logistics, logistics processes and conditions of global transactions. He/she is able to identify operations in logistic processes and to relate social and economic phenomena with corporate functioning. The student can manage projects.

Course objective

To familiarize students with the essence of international logistics and the tools used within its scope and the consequences of functioning of global supply chains. Developing the ability to design global / international supply chains / logistics corridors.

Course-related learning outcomes

Knowledge

1. Student knows extended concepts for logistics and its specific issues and supply chain management - [P7S_WG_05]

2. Student knows the detailed methods, tools and techniques characteristic of the studied subject in logistics - [P7S_WK_01]

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

4. Student knows the best practices in logistics and its specific issues - [P7S_WK_04]

Skills

1.Student is able to assess the usefulness and possibility of using new achievements (techniques and technologies) in logistics and functionally related areas - [P7S_UW_06]

2. Student is able to design, using properly selected means, an experiment, analytical process or scientific research project/ program solving a problem within logistics and its specific issues as well as supply chain management - [P7S_UK_01]

3. Student can prepare in Polish and English, at B2 level of the European System Language Training Description, well documented analysis of logistics problems - [P7S_UK_02]

4. Student is able to formulate and solve tasks through interdisciplinary integration of knowledge in the fields and disciplines used to design logistics systems - [P7S_UO_01]

5. Based on the analysis of their suitability and limitations, student is able to choose, the appropriate tools and methods to solve engineering problems associated with design and/or reorganization of a logistics system - [P7S_UO_02]

6. Student is able to identify changes in requirements, standards, regulations, technological development and behaviour of the labor market. Based on their recognition he/she is able to determine the needs to extend and enhance his/ her own and others' knowledge - [P7S_UU_01]

Social competences

1. Student can properly identify and settle dilemas associated with acting as a logistics manager, obeying the rules of professional ethics and respecting diversity of views and cultures [P7S_KK_02]

2. Student can creatively plan and control/ manage business undertakings [P7S_KO_01]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

LECTURE:

- formative assessment: discussions summarizing individual lectures, giving the student the opportunity to assess the understanding of the problem

- final grade: 45-minute final exam consisting of 20-25 questions (test or open-ended), pass mark: 50%.

EXERCISES:

- formative assessment: assessment of tasks performed during the classes,

- final grade: two 45-minute written tests carried out on 7 and 14 exercises, consisting of 10-15 test or open questions, pass mark: 50%

PROJECT:

- formative assessment: partial assessments of the project implementation progress,

- final assessment: project objection, pass mark: 50%

Programme content

Lecture: The essence of international logistics - basic definitions and characteristics. The importance of contemporary international logistics in business. Global flows in the world and in Europe. International transportation and logistics networks - characteristics of technical logistics infrastructure concerning multimodal transportation/ movement of goods and people (sea, air, road and rail). Characteristics of selected elements of point infrastructure: distribution centers, seaports and airports, border crossing points, car parks around the world and in Europe. Characteristics of selected elements of the linear infrastructure: roads, railways, sea and air connections. Cultural and organizational aspects of international logistics. The client and his diverse requirements and preferences in the world.

Tutorials: The impact of logistics on the level of international competitiveness of countries, regions and enterprises. Logistics clusters. Comparative analysis of the Logistics Performance Index (LPI) in selected countries and regions against the background of other economic indicators. Comparison of three types of logistics: market-oriented, crisis-oriented and military-oriented. UN peace-keeping logistics and NATO military logistics. Eurologistics and European logistics policy - goals, conditions and challenges. Legal aspects in international logistics. International conventions and agreements.

Project: Design and assessment of global / international supply chains. Project organization, multi-criteria evaluation of various logistics solutions.

Teaching methods

LECTURE: interactive lecture, discussion.

EXCERCISE: discussion, case study, performance of tasks given by the teacher, reading.

PROJECT: project method

Bibliography

Basic

1. E. Gołembska (2004): Logistyka międzynarodowa, Warszawa: PWN.

2. E. Gołembska, J. Majchrzak-Lepczyk, Z. Bentyn (2015): Eurologistyka, PWN.

3. D. Kurek, J. Żak (2019): Multiple citeria evaluation of trams based on customers' specifications (expectations) in selected countries, Transportation Research Procedia - 2019.

4. J. Żak (2019): The application of the multiple criteria decision making/aiding methodology to evaluation and redesign of logistics systems, Decision Making in Manufacturing and Services - 2019, vol. 13.

Additional

1. E. Gołembska (2005): Logistyka w internacjonalizacji przedsiębiorstw UE, Wyd. Akademii Ekonomicznej w Poznaniu.

2. J.J.Coyle, E.J. Bardi, C.J. Langes jr (2002): Zarządzanie logistyczne, PWE.

3. K. Olejniczak (2014): Polityka klastrów w regionach jako wzmacnianie konkurencyjności MSP, Prace naukowe Uniwersytetu Ekonomicznego we Wrocławiu Nr 348. Polityka ekonomiczna, Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	60	2,0
Student's own work (literature studies, preparation for classes/tutorials and case discussion, preparation for tests/exams, project preparation) [1]	15	1,0

[1] delete or add other activities as appropriate