



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Master's thesis - research project [N2Log2>PM-PB]

### Course

Field of study

Logistics

Year/Semester

2/3

Area of study (specialization)

Production-logistics Systems

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

part-time

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

70

### Number of credit points

15,00

### Coordinators

dr hab. inż. Łukasz Hadaś prof. PP  
lukasz.hadas@put.poznan.pl

### Lecturers

### Prerequisites

Student has knowledge on subjects included in educational standards at the 2 level of studies on Logistics course. Student has skills within subjects included in educational standards at the 2 level of studies on Logistics course. Student has social competences within subjects included in educational standards at the 2 level of studies on Logistics course.

### Course objective

The goal of the subject is to valorize knowledge acquired during studies for conducting analysis of production or logistics systems and designing changes required for the system

### Course-related learning outcomes

Knowledge:

1. The student identifies and characterizes advanced concepts in logistics, supply chain management and their detailed issues. [P7S\_WG\_05]
2. The student lists and explains advanced issues in the field of logistics management, including the main development trends. [P7S\_WG\_08]
3. Student knows best practices within enterprise, production or logistic systems and its specific issues

[P7S\_WK\_04]

4. The student describes the dependencies in the area of logistics and their connections with other fields. [P7S\_WG\_01]

Skills:

1. The student uses different sources, including subject literature, to collect, analyse and synthesize information regarding problems in logistics and its detailed issues. [P7S\_UW\_01]
2. The student designs experiments, analyses or scientific research, using properly selected means and methods to solve complex logistics problems [P7S\_UW\_02]
3. The student is able to propose the reorganization of the logistics system or process and related processes, along with determining the path of its implementation and potential threats or limitations in this area [P7S\_UW\_05]

Social competences:

1. The student notices cause-and-effect relationships in the implementation of the objectives of the master's project and recognizes the need to constantly supplement knowledge in the field of logistics. [P7S\_KK\_01]
2. The student plans and manages projects in a creative way, especially in the context of business ventures related to logistics. [P7S\_KO\_01]

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment: Assessment of organizational change proposals by the supervisor of the diploma thesis. Summative rating: Assessment of the presentation prepared by the student, the stage of advancement of the research for the diploma thesis and its discussion.

### Programme content

The program includes the preparation of a study that meets the requirements for a master's thesis

### Course topics

Topics include: the preparation of a study on logistics and/or related issues relevant to the selected topic of the diploma thesis, development of the sequence of the research process, implementation of research and analysis of the obtained results.

### Teaching methods

Method of experiments. Field observation and measurement method. Project method. Demonstration method. Method of experiment.

### Bibliography

Basic:

1. Regulamin realizacji prac dyplomowych - [www.fem.put.poznan.pl](http://www.fem.put.poznan.pl)
2. Majchrzak J., Mendel T., Metodyka pisania prac magisterskich i dyplomowych: poradnik pisania prac promocyjnych oraz innych opracowań naukowych wraz z przygotowaniem ich do obrony lub publikacji, Wydawnictwo Uniwersytetu Ekonomicznego, Poznań, 2009.
3. Rozpondek M., Wyciślik A., Seminarium dyplomowe: praca dyplomowa magisterska i inżynierska : pierwsza praca - know how, Wydawnictwo Politechniki Śląskiej, Gliwice, 2007.

Additional:

1. Dudziak A., Żejmo A., Redagowanie prac dyplomowych: wskazówki metodyczne dla studentów, Centrum Doradztwa i Informacji Difin, Warszawa, 2008.
2. Related to the selected topic agreed with the diploma thesis supervisor.

### Breakdown of average student's workload

	Hours	ECTS
Total workload	375	15,00
Classes requiring direct contact with the teacher	70	3,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	305	12,00