

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Master Thesis		Code 1011102331011113362
Field of study Logistics - Full-time studies - Second-cycle	Profile of study (general academic, practical) general academic	Year /Semester 2 / 3
Elective path/specialty Chain of Delivery Logistics	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 0		No. of credits 20
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art technical sciences Technical sciences		ECTS distribution (number and %) 20 100% 2 100%
Responsible for subject / lecturer: opiekun pracy dyplomowej, magisterskiej email: email: imie.nazwisko@put.poznan.pl, tel. (61) 665 3374 Wydział Inżynierii Zarządzania 60-965 Poznań, ul.Strzelecka 11		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Knowledge from subjects covered by the standards of education at the 2nd level studies in the field of Logistics.
2	Skills	Skills acquired during the study of subjects covered by the standards of education at the 2nd level studies in the field of Logistics.
3	Social competencies	Social competences acquired during the study of subjects covered by the education standards at the 2nd level studies in the field of Logistics.
Assumptions and objectives of the course: The aim of the course is practical use the knowledge acquired during the course of studies to carry out the analysis of selected processes or the logistics subsystem of the company and to propose necessary changes to these processes.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. The student can be able to characterize relationships in the area analyzed in the work and their relationship with logistics - [K2A_W02]		
2. The student knows the basic concepts specific to the logistics aspects discussed in the diploma thesis - [K2A_W09]		
Skills:		

<p>1. The student can gather on the basis of the literature of the subject and other sources (in Polish and English) and in an orderly manner to present information on the problem within the issues covered in the diploma thesis and to assess them - [K2A_U01]</p> <p>2. The student is able to communicate using appropriately selected means in the professional environment in the field of issues covered in the diploma thesis - [K2A_U02]</p> <p>3. The student is able to prepare a scientific study located within the analyzed logistics subsystem, presenting the results of own research - [K2A_U03]</p> <p>4. The student can prepare and present verbally in Polish a discussion of the problem taken in the diploma thesis - [K2A_U04]</p> <p>5. The student is able to implement the self-study process as part of the thesis development - [K2A_U05]</p> <p>6. The student has the language skills relevant to the logistics needed for the analysis of literature sources - [K2A_U06]</p> <p>7. The student is able to design the analysis process in relation to the problem undertaken in the diploma thesis - [K2A_U09]</p> <p>8. The student is able to search for appropriate conditions for industrial and security issues in the analyzed problems in the logistics operation subsystem - [K2A_U13]</p> <p>9. The student is able to formulate a project (engineering) task within the framework of the issues analyzed in the diploma thesis - [K2A_U17]</p> <p>10. Student is able to select, based on the analysis of usefulness and limitations, the proper tools and methods to solve problems specific to the issues under analysis - [K2A_U18]</p> <p>11. The student is able to propose a preliminary improvement project for the logistic subsystem or process chosen in the work using appropriate methods and techniques - [K2A_U19]</p>
<p>Social competencies:</p> <p>1. The student understands the need for lifelong learning in the areas covered in the diploma thesis - [K2A_K01]</p> <p>2. The student is sensitive to the non-technical aspects and effects of engineering activities, including its impact on the environment, and the related responsibility for decisions - [K2A_K02]</p> <p>3. The student is able to perceive causal relationships in the implementation of goals and make gradations of their significance - [K2A_K04]</p> <p>4. The student is aware of the responsibility for the formulated and transmitted information and opinions on the achievements in the field of logistics; makes efforts to provide information and opinions in a generally understandable way, while maintaining objectivity - [K2A_K07]</p>

Assessment methods of study outcomes	
<p>Forming rating: Ongoing evaluation of organizational change proposals carried out by the master's thesis supervisor.</p> <p>Summary rating: Evaluation of the presentation prepared by the diploma, the state of advancement of the research for the diploma thesis and its discussion.</p> <p>Didactic method: Work with a book, method of observation and measurement in the field, project method.</p>	
Course description	
Preparation of the work plan, setting goals and scope of the subject and material work, analysis of the subject literature, conducting own research, proposal of improvements, formulating conclusions	
<p>Basic bibliography:</p> <p>1. Regulamin realizacji prac dyplomowych - www.fem.put.poznan.pl</p> <p>2. Proper for the analyzed issues</p> <p>3. Borcz L., Vademecum pracy dyplomowej, Wydawnictwo WSEiA, Bytom 2001</p> <p>4. Szkutnik Z., Metodyka pisania pracy dyplomowej, Wydawnictwo Poznańskie, Poznań 2005</p>	
<p>Additional bibliography:</p> <p>1. Wójcik K., Piszę akademicką pracę promocyjną, Placet, Warszawa 2005</p> <p>2. Majchrzak J., Mendel T., Metodyka pisania prac magisterskich i dyplomowych, Uniwersytet Ekonomiczny, Poznań, 2009</p>	
Result of average student's workload	
Activity	Time (working hours)

1. Preparation of master	25	
2. Conducting literature and empirical research as well as analysis and development of their results	400	
3. Editing of the master	50	
4. Consultations	25	
Student's workload		
Source of workload	hours	ECTS
Total workload	500	20
Contact hours	25	1
Practical activities	475	19