

Code

Course item:

1. INFORMATION ABOUT THE COURSE**A. Basic information**

Name of course	<i>Municipal and Public Transport</i>
Study level	<i>first degree</i>
Unit running the study programme	<i>Faculty of Management, Department of Engineering Management</i>
Study programme	<i>Management and Production Engineering</i>
Speciality	
Name of teacher (s) and his academic degree	<i>Marek Sikora, PhD</i>
Introductory courses	<i>Management</i>
Prerequisites	<i>no prerequisites</i>

B. Semester/week schedule of classes

Semester	Lectures	Classes	Laboratories	Project	Seminars	Field exercises	ECTS
winter	15			15			3

2. EFFECTS OF EDUCATION (acc. to National Qualifications Framework)

Knowledge	<i>on successful completion of the course student is able to understand and to associate different concepts of logistics with urban transportation and logistics management, to describe the essence of city logistics, to explain the causes and flow of logistic processes and to distinguish logistics tools for planning cargo transport</i>
Skills	<i>on successful completion of the course student is able to define basic tasks and mechanisms of functioning of logistics systems located in urban areas</i>
Competences	<i>on successful completion of the course student is able to propose a tool of economic calculation in terms of efficiency of logistics services in urban areas.</i>

3. TEACHING METHODS

<i>multimedia lecture, films, discussion, urban transport analysis, case studies</i>
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4. METHODS OF EXAMINATION

<i>colloquium, lab grades, project</i>
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5. SCOPE

Lectures	<i>Introduction to Municipal and Public Transport: The Coverage and Main Principles. The notion, the genesis and the development of the urban logistics. The object, cells and objectives of the urban logistics. The city, his features and functions. Concept of urban logistics. Phenomenon of the automotive congestion - repercussions in the logistic system of the city. City Logistics in the World and in Poland. City Logistics Systems, Models and Solutions. Logistics in managing movements of persons in cities. Passenger and delivery traction, public transport. Exemplary analysis of city logistics problems. Role of the logistics in managing flows of goods. Influence of the logistic municipal infrastructure on streamlining flows of charges in cities. System of supplies of cargoes in cities. Urban Distribution System, Intelligent Transportation Systems - IT in the urban logistics. Future perspectives of City Logistics.</i>
Project	<i>City logistics models and solutions in different countries – case studies, discussions and students' presentations. Preparing End-of Term Project.</i>

6. LITERATURE

Basic literature	<ul style="list-style-type: none">- <i>Tundys B. - Logistyka miejska. Koncepcje, systemy, rozwiązania - Difin, Warszawa. – 2009</i>- <i>Szołtysek J. - Podstawy logistyki miejskiej - Wydawnictwo Akademii Ekonomicznej, Katowice. – 2009</i>- <i>Szymczak M. - Logistyka miejska - Wydawnictwo Akademii Ekonomicznej, Poznań. – 2008</i>
Supplementary literature	<ul style="list-style-type: none">- <i>Eiichi Taniguchi, Tien Fang Fwa, Russell G. Thompson - Urban Transportation and Logistics: Health, Safety, and Security Concern s- CRC Press 2014 (available on the Internet)</i>- <i>Agostino Nuzzolo, Antonio Comi - City Logistics Planning: Demand Modelling Requirements for Direct Effect Forecasting, Procedia - Social and Behavioral Sciences Volume 125, 20 March 2014, Pages 239–250 – (available on the Internet)</i>- <i>K.J. Button, D.A. Hensher Handbook of Logistics and Supply-Chain Management 2001 – (available on the Internet)</i>