

<b>Course title: City Logistics</b>
Course code: 30045
ECTS credits: 5
Requirements: None
<b>Basic information</b>
trimester: 6
Year of study: 2
Trimester: 6
Goal: The aim of the course is to enable students to master the methodology in the field of city logistics, as well as to analyze logistics flows in the traffic area of the city, i.e. to apply different models of optimization of transport and logistics flows in the narrower and wider city area.
Outcome: After completing the course, the student will be able to analyze the existing concept of logistics, define the concept of city logistics in relation to the present activities and the size of the traffic area in the city, analyze and define transport solutions depending on the requirements in the observed city area.
<b>Contents of the course</b>
Theoretical instruction
1. Integrated concepts of city logistics.
2. Modeling of city logistics flows through the city logistics terminal.
3. Intermodal transport systems, underground transport system, hub and spoke concept in city logistics.
4. City logistics terminals, justification of implementation and construction.
5. Consolidation of small shipments.
6. The impact of technology on the development of city logistics.
Practical instruction (Problem solving sessions/Lab work/Practical training)
1. Solving tasks by applying different logistics flow optimization models.
<b>Textbooks and References</b>
1. S. Zečević, S. Tadić (2006). City logistics. Faculty of Transport and Traffic Engineering , Belgrade, 2013.
2. C. Macharis, S Melo, City Distribution and Urban Freight Transport: Multiple Perspectives, Edward Elgar Publishing, 2011.

3. E. Taniguchi, R. G. Thompson, City Logistics: Mapping The Future, CRC Press, 2014.
4. E. Taniguchi, R. G. Thompson, Innovations in City Logistics, Nova Science Publishers, 2008.
5. H. Zijm, M. Klumpp, U. Clausen, M. Hompel, Logistics and Supply Chain Innovation: Bridging the Gap between Theory and Practice, Springer, 2015.
<b>Number of active classes (weekly)</b>
Lectures: 3
Practical classes: 2
Other types of classes: 0
<b>Grading (maximum number of points: 100)</b>
<b>Pre-exam obligations: Points</b>
Activities during lectures: 10
Activities on practical exercises:
Seminary work:
Colloquium: 60
<b>Final exam: Points</b>
Written exam: 30
Oral exam:
<b>Lecturer</b>
Stevan Veličković, PhD
<b>Associate</b>