

**Title of the whole course:**

**Operation and Regulation of Urban Transport**

## **Urban traffic Management**

**Name of the Educational Test Site:**

Czech Technical University in Prague, Faculty of Transportation Sciences

**Objective of the whole course**

Operation, organization and regulation in traffic engineering. Basic ways and means of traffic control and organization. Traffic rules and standards. Traffic signs and traffic marking. Traffic control by traffic lights, criteria for traffic lights establishment. Basic terms - cycle, phase, among-green light, productive time period. Fundamentals of traffic lights calculation. Capacity of traffic lights controlled crossing. Traffic controlled operating. Advantages and disadvantages of one-way streets. Preferring of various transport modes. Preferring of public transport. Traffic calming layouts. Crossing modifications, information and navigation systems. Parking regulation and organization. Approximate appreciation of controlled crossings capacities. Proposal of traffic lights coordination. Small roundabout design.

**Content of the whole course**

- Means and ways of traffic control and organization
- Rules of right of ways
- History of road traffic
- General principals of traffic lights establishment (criteria, types of traffic lights)
- Ecological aspect of traffic lights
- Public transport preference
- Quality of public transport
- Small roundabouts – purpose, advantages, suitability of use
- Advantages and disadvantages of one-way streets

**Which parts of PORTAL (project results) were taken up?**

**Chapter Kt2 of Portal written material:**

Transport policy objectives and strategies and road users characteristics and needs,  
Sustainable transport in cities – case studies  
Multimodal transport solutions – case studies

**Which PORTAL material was used?**

Portal written material,  
Portal transparencies after own modifications.

<b>Separate / existing course</b>	Existing
<b>Optional / compulsory course</b>	Optional
<b>Name of the corresponding curricula</b>	Transportation infrastructure
<b>Participants' level</b>	Level 7
<b>Type of input</b>	Lecture
<b>Number of participants</b>	20
<b>Timing</b>	10. 12. 2002
<b>Exercises</b>	Discussion group
<b>Language</b>	Czech

<b>Name of the teacher</b>	František Lehovec
- e-mail	lehovec@fd.cvut.cz
- Phone number	+420 224 354 424
Website of institution and / or lecturer	www.fd.cvut.cz
Language of lecturer	Czech, English
<b>Fields of expertise</b>	Public Transport: Integrated Transport Chains Safety and Accident Reduction Environment, energy and transport Transport and land use: