



## **SUSTAINABLE TRANSPORT**

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### **Short description of the lecture (up to 10 sentences):**

The course aims to provide students with a comprehensive knowledge of contemporary transport policy focusing mainly on the concept of sustainable transport in urban context. Its main objective is to increase the students' awareness regarding the changing context of transport policy and planning in the world, and show them the dramatic change in transport planning practices by making use of good-practice cases. Students who complete the course will have acquired an understanding of contemporary transport policy and principles of sustainable transport; as well as comprehensive knowledge on current practices in various world cities. They will also be equipped with the skills to design policy documents and legal frameworks for sustainable urban transport, at national, urban and local neighborhood levels.

### **Syllabus of the lecture subjects (enlisted):**

1. Development and Environment: The Concept of Sustainability
2. The role of the Transport Sector in Sustainable Development: Understanding the "Unsustainability of the Transport Sector"
3. Sustainable Transport: Definition of, and Policies for, Sustainable Transport
4. Sustainable Transport in Different Contexts: Industrial VS Developing World
5. Evolution of Transport Policy and Planning: From Road Programmes to the Revival of Public Transport and Recognition of the role of Non-Motorised Modes
6. The Increasing Role of Systems Management in Urban Transport: Travel Demand Management and Traffic Management as Key Components of Sustainable Transport
7. Transport Policy Today: International and Supranational Policy Documents (EU White Papers, United Nations Documents, World Bank Reports, etc.)
8. Transport and Spatial Development I: Transport Planning for Sustainable Cities
9. Transport and Spatial Development II: City Planning for Sustainable Transport
10. Setting a Legal Framework for Urban Transport Policy: The UK Case
11. EU initiatives at local level: Sustainable Urban Mobility Plans (SUMPs)
12. Sustainable Urban Transport and Best-Practice Cases I: Infrastructure Projects (*Clean energy vehicles and related infrastructure; urban rail systems; Bus Rapid Transit systems; car-free developments; pedestrianisation projects*)
13. Sustainable Urban Transport and Best-Practice Cases II: Management Schemes



- (Congestion Charging; Parking Fee Plans; Bike-Sharing Programmes; Car-Sharing, Smart-Cards for Urban Transport ticketing and payments)*
14. Sustainable Urban Transport and Best-Practice Cases III: Awareness Raising Campaigns  
*(Home Zones; Health Campaigns promoting walking & biking; "Snake Game" transport education for schoolchildren; short-movie competitions for university students; carfree days)*
15. Overview of Policy Design: From Sustainable Transport Strategy to Implementation

<b>Terminy wykładów</b>			
<b>Data</b>	<b>Dzień tyg.</b>	<b>Godzina</b>	<b>Sala</b>
2015-10-28	Śr	16.15-21.00	GG 414
2015-10-29	Cz	16.15-21.00	GG 414
2015-10-30	Pt	16.15-21.00	GG 414