Course Unit Descriptor

Study Programme: Traffic Engineering			
Course Unit Title: Transportation Demand Management			
Course Unit Code: SOP2			
Name of Lecturer(s): Basarić Valentina			
Type and Level of Studies: Master level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): Winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 5			
Prerequisites: None			
Course Aims: Acquiring knowledge about positive and negative consequences of implementing transport policy measures, land use measures and technological innovations, their influence on accessibility and quality of life in urban area. Acquiring knowledge in the field of creating sustainable urban transportation policy. Reducing car dependencies and promotion environmentally friendly modes of transport (public transport, biking, walking) are placed as a key objectives of new transportation planning methodology			
Learning Outcomes: Acquiring the ability to recognize the interdependence between traffic demand and supply, and the necessity for creating an integrated package of instruments which reinforce one another in meeting the objectives and in overcoming barriers of creating sustainable urban transport policy. Acquiring the knowledge about the application of new technologies.			
Syllabus: Positive and negative effects of traffic. Air pollution and noise as a consequences of urban traffic. Sustainable transport system and sustainable mobility. Documents on the development of the European transport system. Identification and classification of transportation demand management tools - case studies. Land use measures. Infrastructure measures and management. Attitudinal and behavioural measures. Pricing. Case studies and appraisal.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours: 5	**Lectures: 3**	**Practical work: 2**	
Teaching Methods: Lectures, practical laboratory and computational exercises. This course enables students to perform independent assignmentseminar paper and examination through partial examinations.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	**Final exam**	points
Lecture attendance	5	Written part of the exam	20
Exercise attendance	5	Oral part of the exam	20
Term paper	20	Practical part of the exam-tasks	30
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			