

CRP 351 URBAN TRANSPORT PLANNING

Course Code:	1210351
METU Credit (Theoretical-Laboratory hours/week):	3(3-0)
ECTS Credit:	5.0
Department:	City and Regional Planning
Language of Instruction:	English
Level of Study:	Undergraduate
Course Coordinator:	Assoc. Prof. Dr. Ela BABALIK SUTCLIFFE, Turgay GÜNAL
Offered Semester:	Fall Semesters

Course Objective

The course aims to provide students with fundamental knowledge about urban transport, transport policy, and transport planning, with specific emphasis on the links between transport and land-use, and similarly between transport planning and urban (land-use) planning. It is intended to deliver the fundamentals of urban transport in its economic, social, political and environmental context, as well as teach students transport planning techniques, including transport modelling, demand and traffic management, and planning of public transport systems.

Course Content

Designed to cover a whole range of issues related to urban transport, the main themes of the course are context and definition of urban transport planning, characteristics of urban transport modes and their planning, transport modelling, transport policy, travel demand management, transport issues in developing countries and urban transport planning experiences in Turkish cities.

Weekly Program

Week 1-	<i>Introduction: Urban transport in its economic, social, and political context</i>
Week 2-	<i>Transport and the city: historical development of urban transport technologies and their role in urban development</i>
Week 3-	<i>Urban public transport today: evaluation and comparative analysis of public transport modes</i>
Week 4-	<i>Principles in urban road planning/design and public transport planning</i>
Week 5-	<i>Transport modelling: Trip Generation</i>
Week 6-	<i>Transport modelling: Trip Distribution</i>
Week 7-	<i>Transport modelling: Modal Choice</i>
Week 8-	<i>Transport modelling: Assignment</i>
Week 9-	<i>Economic evaluation and feasibility of urban transportation projects</i>
Week 10-	<i>Evolution of transport policy; principles of sustainable transport</i>
Week 11-	<i>Travel Demand Management; Traffic Management; Traffic Calming</i>
Week 12-	<i>The role of urban planning in travel management: “planning for less travel”, sustainable urban form arguments, transit-oriented development</i>
Week 13-	<i>Urban transport issues and characteristics in developing countries;</i>

Grading

Learning Outcomes

By the end of the course the students will have a comprehensive knowledge of the historical development of, and contemporary issues and approaches in, urban transport planning and policy-making. They will have the knowledge and skills to carry out transport modelling, to plan road networks and public transport, and to develop a policy framework in which demand management, traffic management and traffic calming approaches and techniques can be implemented. They will have acquired an understanding of the role transport plays in urban planning as well as the role of urban planning in transport and mobility; and they will be able to formulate transport policies and strategies for sustainable cities in both an international context and the context of Turkey.

Reference Material