CRP351 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 Babalı̈k Sutcliffe

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 transportation. Main themes are context and definition of urban transportation planning, characteristics of urban travel, transportation planning and decision making, demand and supply analyses. Transport economics and transport for a sustainable future are examined. Issues regarding the urban land/use, location choice of urban activities and transportation also analyzed.

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 modeling, 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 discuss transport policies and strategies for sustainable cities.