

Faculty of Engineering & Technology
Transport Planning & Traffic Engineering

Information :

Course Code : SCM491

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Structural Engineering & Construction Management

Instructor Information :

Title	Name	Office hours
Associate Professor	Mohamed Elsaid Abdel Motaleb Abdel Razek	1
Teaching Assistant	Mahmoud Mohamed Khalaf Ahmed	

Description :

Transport planning: introduction to transport sciences, Definitions, Time horizons of transport planning, Elements of urban transport planning procedures, Data base, Introduction to travel demand forecasting models, Introduction to traffic management and public transport improvements, Introduction to evaluation of strategic transport plans and traffic management schemes, Traffic engineering: vehicle, user and road characteristics, Studies of traffic stream characteristics (speed, volume, trip time & delay), Fundamentals of traffic flow: speed, volume and density relationships,, Highway capacities, Traffic control devices.