

**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 :**

<b>Title</b>	<b>Name</b>	<b>Office hours</b>
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.