

**Faculty of Engineering & Technology**

**Highway and Airport Engineering**

**Information :**

**Course Code :** SCM492

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Structural Engineering & Construction Management

**Instructor Information :**

<b>Title</b>	<b>Name</b>	<b>Office hours</b>
Lecturer	Ahmed Mohamed Abdel Moniem Mohamed Soliman	
Teaching Assistant	Ahmed Taher Abdelhamed Mohamed Yousef	

**Description :**

Introduction to highway and airport planning, Classification of highways, Design controls and criteria, Design of elements in the longitudinal direction, Design of cross sections, Design of At-Grade intersections, Grade separations and interchanges, Types of pavements, Calculation of stresses in flexible and rigid pavements, Types and characteristics of paving materials and mixtures, Equivalent axle loads, Design of flexible and rigid pavement, Introduction to pavement Repair..