

Faculty of Engineering & Technology

Highway and airport Engineering

Information :

Course Code : SCM 524

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Department of Structural Engineering & Construction Management

Instructor Information :

Title	Name	Office hours
Lecturer	Emad Eldin Nabil Ali Bayoumi	15
Lecturer	Emad Eldin Nabil Ali Bayoumi	15
Assistant Lecturer	Mahmoud Abu Ouf Alashri Abdelrahman	3
Assistant Lecturer	Reham Milad Kamel Samaan	
Teaching Assistant	Mohamed Fathy Salem Mohamed	2
Teaching Assistant	Mohamed Fathy Salem Mohamed	2

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 axel loads, Design of flexible and rigid pavement thickness, Introduction to pavement maintenance and repair.