

Faculty of Engineering & Technology

Highway and Airport Engineering

Information :

Course Code : SCM492

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Structural Engineering & Construction Management

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, Introduction to pavement Repair..