CVE415 Highways and Transportation Engineering I (2 Units)

Department of Civil Engineering

Covenant University
1. CVE415
1.1. CVE415 Highways and Transportation Engineering I (2 Units)

Introduction to Transportation Engineering: Role and Importance of Transportation, Models of Transportation, Airport plan, layout and location; Aircraft data and runway design. The permanent ways, turnouts and sidetracks; Locomotives, motive power, train resistance and velocity profile. Ports and harbours; Channel regulation; Coaster structures. Pipeline transportation, tramways and belt conveyors.