

Pavement Design Of Roads Course

Venue Information

Venue: London UK

Place:

Start Date: 2026-01-27

End Date: 2026-01-31

Course Details

Net Fee: £4750.00

Duration: 1 Week

Category ID: CACETC

Course Code: CACETC-39

Syllabus

Course Syllabus

Course Description

This course outlines **pavement design of roads**. All three accepted methods of pavement design are covered, including Soil Factor, R-value thickness, and an introduction to MnPAVE for thickness design. A design guide will be used to review the importance of and tools for the following elements of roadway design: data collection and accurate traffic projections; subgrade soil evaluation and best practices for enhancements; pavement section materials and specifications; and best construction practices and their effect on pavement life.

Course Objective

- Review soil factor and R-value thickness design
- Introduction to MnPAVE for thickness design (including practical exercises)
- Review subgrade soil evaluation and best construction practices

- types of road pavement
- soil characteristics
- pavement layers
- traffic loads
- design of asphalt mixes using Marshall design method
- Stresses in flexible pavement
- Design of flexible pavement using AASHTO design method
- Performance based tests of asphalt pavement