

COURSE DETAIL

HIGHWAY ENGINEERING

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

115

UCEAP Course Suffix**UCEAP Official Title**

HIGHWAY ENGINEERING

UCEAP Transcript Title

HIGHWAY ENGINEERING

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course follows the process of locating, designing, constructing, and maintaining highways. It covers the highway planning process and the principles of route location and introduces the concepts of design speeds, operating speeds, and speed limits. Consideration is given to geometric link design and in particular vertical links and horizontal links. This is followed by pavement design, considering the design of both flexible and rigid pavements. The final part of the course considers alternative methods of surface drainage for highways, as well as the earthworks requirement for the construction of highways.

Language(s) of Instruction

English

Host Institution Course Number

CIVE70008

Host Institution Course Title

HIGHWAY ENGINEERING

Host Institution Course Details

<https://sway.cloud.microsoft/eGtxATfFg4eIQtHF?ref=Link>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Civil Engineering

Course Last Reviewed

2025-2026

[Print](#)