

Rigid Pavement Design

Department of Civil Engineering

17—21 September 2018



PRESENTERS: Associate Prof Lambert Houben: DELFT UNIVERSITY OF TECHNOLOGY
Prof Kim Jenkins: SANRAL CHAIR IN PAVEMENT ENGINEERING

GOALS OF THIS COURSE

This course focuses on the technology that is applied in the design and construction of various types of concrete pavements. It covers the supporting layers, thickness design, using cncPave, and joint design, detailing and layout.

Concrete materials and mix design, durability, construction, modes of distress and failure, mechanistic design methods and rehabilitation are covered. In addition, CRCP, UTCRCP, concrete inlays and other topical South African techniques are presented. The course will start with first principles and steadily build the technology.

Lectures will take place in Auditorium, S202, 2nd floor, Department of Civil Engineering, Stellenbosch University

LEARNING PROCESS

The delegates will have the opportunity to immerse themselves in the subject matter, through a series of lectures that will be augmented by workshops sessions. The immersion course concept has been very successful and has been the format of all recent courses. Lectures will all be in English.

ADMISSION REQUIREMENTS

The course is aimed at engineers with several years' experience in pavement engineering or concrete materials. The course is suited to practicing engineers and technologists with the fundamentals, who want to advance their knowledge of the technology.

**Applications close
7 September 2018**

COURSE OUTLINE

- ◆ **Module 1 - Pavement Structure**
- ◆ **Module 2 - Concrete Mix Design**
- ◆ **Module 3 - Design Considerations**
- ◆ **Module 4 - Pavement Design and Construction**
- ◆ **Module 5 - Special Features and SA issues**

Course Fees: R10 000.00

CPD: 5

Please register online here:

<http://shortcourses.sun.ac.za/application-form.html?offeringid=1100f887-987a-e811-9d66-0050568000ff>

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