

Pavement Materials I

Department of Civil Engineering

28 January—1 February 2019



PRESENTERS: Prof André Molenaar: Emeritus Professor: DELFT UNIVERSITY OF TECHNOLOGY
Prof Kim Jenkins: SANRAL CHAIR IN PAVEMENT ENGINEERING

GOALS OF THIS COURSE

This course focuses on pavement materials beneath the surfacing layer, including the subgrade, in both flexible and rigid pavements. Attention is paid to the characterization of soils, unbound and bound materials. Engineering and performance characteristics are considered with relation to environmental impacts and traffic loading.

Links between material behaviour, performance models and the new SAPDM and SARDS approach, Field and laboratory testing of processed, modified, stabilized materials.

Case studies will focus on recent, local and international developments, relative to Southern African context.

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 junior engineers and those senior engineers who wish to augment and update their knowledge of technical engineering concepts in pavement materials. A degree or diploma in Civil Engineering plus several years experience in pavement engineering is required.

**Applications close
21 January 2019**

COURSE OUTLINE

- ◆ **Module 1 - Introduction**
- ◆ **Module 2 - Subgrade**
- ◆ **Module 3 - Granular Materials**
- ◆ **Module 4 - Stabilization**
- ◆ **Module 5 - Special Considerations**

Course Fees: R10 000.00

CPD: 5

Please register online here:

<https://shortcourses.sun.ac.za/application-form.html?offeringid=3d0ddacb-09f2-e811-9d66-0050568000ff>

Invoice will follow after successful online registration

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