

Pavement Materials III

Department of Civil Engineering

5 – 9 October 2020

BSM



Presenters: Prof Kim Jenkins (SANRAL Chair)

Dave Collings

Dr Fenella Johns

GOALS OF THIS COURSE

This course focuses on important developments in the field of Bitumen Stabilised Materials (BSMs) - in particular, the updates to the SA Guidelines for design and use of BSM (Foamed Bitumen and Emulsion). In particular, TG2 Manual (2020) will be covered based on research findings and best practise.

Aspects to be covered on the course include binder characteristics, material classification, mix design, structural design and construction. Mix compositions will be explored with attention to the factors that control the behaviour and performance of BSMs including compaction, curing, resistance to permanent deformation and durability. New laboratory test methods and design functions for BSM pavement layers will also be covered.

**Face-2-Face Lectures for students
(depending on industry numbers
online content can be provided)**

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.

ADMISSION REQUIREMENTS

This course forms part of the University of Stellenbosch postgraduate programme. It carries fifteen (15) SAQA credits for academic purposes (PO9 Pavement Materials III 811) and/or continuing education based upon an extensive exercise. Certificates will be awarded to all non-students participating satisfactorily in the course. CPD credits = 5.

Applications close: 25 September 2020

Please note: payment is due before the start of the course to gain access to online content.

COURSE OUTLINE

- ◆ **Module 1 - BSM Binders**
- ◆ **Module 2 - Aggregate Requirements**
- ◆ **Module 3 - Mix Design**
- ◆ **Module 4 - BSM Classification & Pavement Design**
- ◆ **Module 5 - Construction & Specification**

Course Fees: R10 800.00

CPD: 5

REGISTER ONLINE HERE

PLEASE READ THE T's & C's

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