

**KORT KURSUS IN  
PADVEILIGHEIDSIENGENIEURSWESE**

(TO4)

**SHORT COURSE ON  
ROAD SAFETY ENGINEERING**

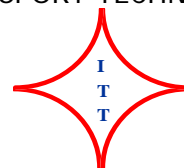
(TO4)

presented by



UNIVERSITY of  
STELLENBOSCH

THE INSTITUTE FOR  
TRANSPORT TECHNOLOGY



**23 – 27 MAY 2011**

**23 – 27 MEI 2011**

Presenter/ Aanbieder

**PROF CJ BESTER  
Dr M Sinclair  
Mr L Roodt**

**Closing date for registration: **Extended to 5 May 2011****

**Sluitingsdatum vir registrasie: **Uitgestel tot 5 Mei 2011****

**Fees/Foioe**

R4 500.00

**All students:**

R1000.00

## **OBJECTIVES OF THE COURSE**

The context of this course is specifically on road transportation collisions. The course examines the multiple factors involved in collisions - including environmental, human and vehicular factors - to improve the understanding of the causes and types of traffic collisions. The role of the transportation engineer in response to these factors will be explored, and specific approaches and countermeasures will be examined in some detail. The course builds on international experience but is tailored to understanding the conditions and problems most common in the South African context.

## **DOEL VAN DIE KURSUS**

Die kursusinhoud handel spesifiek oor padvervoerbotsings. Veelvuldige faktore betrokke by botsings word ondersoek – insluitend omgewing, menslike- en voertuigfaktore – om sodoende die begrip van die oorsake en tipe van verkeerbotsings te verbeter. Die rol van die vervoeringenieur in reaksie op hierdie faktore word ondersoek, en spesifieke benaderings en teenmaatreëls sal in detail ondersoek word. Die kursus word op internasionale ondervinding gebaseer, maar is aangepas om die omstandighede en probleme wat die mees algemeen in die Suid-Afrikaanse konteks voorkom, te verstaan.

## **OUTCOMES OF THE COURSE**

The attendee will emerge from the course conversant with the key elements affecting road safety and with an improved understanding of the principles of safe roads and how these can be achieved in practice. They will develop a good working knowledge of the subject area, an enhanced sensitivity to the complexity of collision causation and the confidence to apply this knowledge in the workplace.

## **UITKOMSTE VAN Dié KURSUS**

Die kursusinganger sal van die kursus wegstap, op hoogte van die sleutelemente wat padveiligheid affekteer, met 'n beter begrip vir die beginsels van veilige paaie en hoe dit in die praktyk bereik kan word. Hulle sal 'n goeie werksbegrip van die onderwerp hê, asook 'n verhoogde sensitiwiteit vir die kompleksiteit van wát botsings veroorsaak, en die vertroue hê om die nuutgevonde inligting in die werksplek toe te pas.

## **LANGUAGE**

The course will be presented in English.

## **TAAL**

Die kursus sal in Engels aangebied word.

## **WHO SHOULD ATTEND?**

The course is aimed at Transportation and Traffic Engineers, Transportation Planners and anyone who is engaged in the development and delivery of safer roads, as well as all post-graduate students who want to better understand the problem of traffic collisions and equip themselves with relevant strategies to address the problem in the South African context. The course consists of 15 SAQA credits.

## **BYWONING**

Die kursus is bedoel vir Vervoer- en Verkeersingenieurs, Vervoerbepanners en almal wat betrokke is by die ontwikkeling en lewering van veiliger paaie, sowel as vir nagraadse studente wat hulself vertrouwd wil maak met die nuutste prosedures in Padveiligheid. Die kursus bestaan uit 15 SAQA krediete.

## **COURSE ARRANGEMENTS**

The course will start at 09:00 on Monday 23 May 2011 in Room S202 of the Civil Engineering Building. Participants are responsible for their own accommodation. Information on local guesthouses and hotels is available, on request, from the course secretary.

The fee covers a copy of the class notes as well as teas and lunch.

## **KURSUSREËLINGS**

Die kursus begin op Maandag 23 Mei 2011 om 09:00 in Lokaal S202 van die Siviele Ingenieursgebou. Deelnemers is verantwoordelik vir hul eie verblyf. Inligting oor plaaslike gastehuse en hotelle sal, op aanvraag, by die kursussekretaresse beskikbaar wees.

Die kursusfooi sluit 'n kopies van die klas notas sowel as tee en middagetes in.

## **CONTACT**

Mrs J Myburgh (Tel: 021 808 2080, Fax: 086 544 3146) email: <jmyburgh@sun.ac.za>

## **KONTAK**

Mev J Myburgh (Tel: 021 808 2080, Faks: 086 544 3146) epos: <jmyburgh@sun.ac.za>

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## **COURSE CONTENT**

1. The Road Safety Problem
2. Safety Management Systems
3. Human Factors & Intelligent Vehicles
4. Data Needs and Limitations
5. Hazardous Road Locations
6. Problem Identification
7. Development of Countermeasures
  - 7.1 Road Design
  - 7.2 Intersections
  - 7.3 Delineation, Signing and Lighting
  - 7.4 Road Maintenance and Construction
  - 7.5 The Roadside
  - 7.6 Traffic Management
  - 7.7 Vulnerable Road Users
  - 7.8 Public Transport
8. Road Safety Audits
9. Programme Analysis
10. Monitoring and Evaluation

# UNIVERSITY OF STELLENBOSCH

Please complete and fax or e-mail to: Janine @ Fax: 086 544 3146  
email: [jmyburgh@sun.ac.za](mailto:jmyburgh@sun.ac.za)

## REGISTRATION DETAILS SHORT COURSE ON TRANSPORTATION SAFETY ENGINEERING 23 – 27 May 2011

First Name and Surname:

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Occupation:

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Employer:

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Student number (if applicable)

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Postal Address:

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Telephone:

(Work)..... Fax.....

Cell No:..... Email.....

Invoice for attention of: .....

E:mail: ..... Tel:.....

### COURSE FEES

Course Fee:	R4 500
All Students:	R1000

*Please note: A cancellation fee of 20% will be charged if attendance is cancelled within a week before the course starts.*

**Reply deadline: Extended to 5 May 2011**  
**(late applications will only be accepted with payment)**