



Short course: Human Factors in Traffic Collisions

The vast majority of serious and fatal rashes are caused by human error, yet road designers are seldom trained to fully understand how road users function, and the errors they are likely to make. This course examines human behaviour in the context of traffic and identifies what elements of road design and manage are required for a safer road network for all users.



9-13 September 2019

Presenters:

Prof. Ralf Risser

Dr Christine

Chaloupka-Risser

Prof. Marion Sinclair

Dr Hubrecht Ribbens

Fee

US Post Grad Students
R 850

Non Students

R 9 000

Registrations close

30 August 2019

CONTACT

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OBJECTIVES OF THE COURSE

The course will examine physiological and psychological aspects of the human road user that influence behaviour and will look in detail at driver capability, the tasks required of drivers and pedestrians in specific road environments; how road users adjust and compensate to their physical environment and what specific vulnerabilities they exhibit. The course concludes with an examination of engineering, educational and enforcement approaches that can effectively reduce the impact of human factors.

OUTCOMES

The attendee will emerge from the course with a working knowledge of the human factors involved in road safety and with an improved understanding of the principles of safe roads and how these can be achieved in practice.

LANGUAGE

The course will be presented in English.

ACADEMIC CREDIT

This course forms part of the Stellenbosch University postgraduate programme. It carries 15 SAQA credits for academic purposes and/or continuing education based upon an extensive exercise and written examination. Certificates will be awarded to all delegates participating satisfactory in the course. CPD credits= 5 course

This course will be held in S202, in the Department of Civil Engineering at Stellenbosch University.

Participants are responsible for their own travel and accommodation arrangements.

Information on local guesthouse is available , on request, from the course administrator.

PLEASE REGISTER ONLINE BY CLICKING ON THIS LINK: **NOT FOR REGISTERED US STUDENTS**

<https://shortcourses.sun.ac.za/application-form.html?offeringid=c2781fb5-d8b8-e911-9cfb-0050568000ff>

COURSE CONTENT

- International overview of injury data
- Driver Behaviour models
- Defining human factors
- Biological basis of driver limitation
- Driver capability
- Risk taking
- Pedestrian behaviour and risk in the SA context
- Driver tasks
- An engineering response to human factors
- Other responses: education, marketing, enforcement, mobility management

