



# SHORT COURSE IN CONSTRUCTION RISK MANAGEMENT

Offered by The Division in Construction Engineering and Management



**Block 1**  
**22–23 February 2018**

**Block 2**  
**9 –11 May 2018**

## **PRESENTERS**

Prof Jan Wium  
Mr Schalk Loots  
Mr Chris Jurgens  
Mr Hanens Marais  
Dr Nthatsi Khadleli  
Mr Mike van Coller  
Mr Louis de Klerk

## **Fee**

**Block 1 & 2 - R10 000**

**Block 1 only—R 4 300**

**Block 2 only - R6 400**

**(Block 2 - Procurement  
only R 4 300)**

*(10% Early Bird Registration)*

## **Registrations close**

**9 February 2018 (BI 1)**

**27 April 2018 (BI 2)**

## **CONTACT / KONTAK**

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## **COURSE DISCRIPTION**

A short course on Construction Risk Management will be presented at the Division in Construction Engineering and Management at the Department of Civil Engineering, Stellenbosch University. The course is offered in two blocks, on 22-23 February 2018 and from 9 to 11 May 2018. Industry participants can attend either one, two or both blocks. **CPD points** will be awarded for attending (**ECSA** and **SACPCMP**). During Block 2, participants have the option of only attending the first two days aimed at procurement practices.

## **OBJECTIVE**

The course provides delegates with a comprehension of the principles and concepts of risk management as performed by all parties involved in construction projects, including the client (owner), consultant and contractor. It aims to create an awareness of the advantages and needs of risk management. The objective is that students and attendees should be able to compile and use risk registers and prioritization matrices to manage typical construction risks. Different procurement practices are addressed to demonstrate how project risk is influenced by the choice of procurement model. Participants are exposed to more advanced risk management methods such as Monte Carlo analyses and other quantitative methods. The course finally aims to expose participants to commercial risk management software used in the construction environment.

## **LANGUAGE**

The course will be presented in English.

## **WHO SHOULD ATTEND**

The course is aimed at persons in the construction industry who need a firm comprehension of construction risks and the role of procurement models. Representatives from client organizations, consultants and construction firms will all benefit from the course.

## **COURSE ARRANGEMENTS**

Course registration is at 08h00 and starts at 08h30 on Thursday 22 February 2018 in Room S202 of the Civil Engineering Building. Participants are responsible for their own accommodation. Information on local guesthouses and hotels is available from the course secretary .

## **BLOCK 1**

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

## **BLOCK 2**

## **BRIEF OVEVIEW OF COURSE CONTENT**

- Risk management according to ISO 31000 and the Project Management Body of Knowledge (PMBOK).
- Typical construction risks as perceived by different project participants (client, consultant, contractor)
- Compilation of a risk register, prioritization matrices, management and monitoring of risks based on a quantitative approach
- Case studies used throughout as class assignments for group discussion



- Managing risk through procurement models:
  - Public Private Partnerships (introduction and overview)
  - Design build procurement (contractor, consultant)
  - Principles of framework agreements
- Contractual risk and risk apportionment
- Quantitative methods including the Monte Carlo approach.

