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## CHAIR FOR CONSTRUCTION ENGINEERING AND MANAGEMENT

SHORT COURSE

# CONSTRUCTION RISK MANAGEMENT

Block 1 :- 8 & 9 February 2016

Block 2 :- 18 - 19 May 2016 *20 May 2016 (students only)*

The Chair for Construction Engineering and Management aims to develop management practices for managers at all levels and in all spheres of the built environment, be it from the side of the client, designer, contractor or user. It also aims to equip engineers and allied professionals in the industry with some of the necessary background to understand the challenges of the construction environment.

### Objectives:

The course in Construction Risk Management aims first to provide participants with the 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 risks encountered in the construction environment. Participants are also exposed to more advanced risk management methods such as Monte Carlo analyses and other quantitative methods. The course aims to allow participants to evaluate the need and application of commercial risk management software used in the construction environment.

### Preliminary Course content:

Block 1 (8 & 9 February 2016) (*Prof JA Wium*):

- 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

Block 2 (18 – 20 May 2016): (*Dr. C Barnardo-Viljoen, Prof JA Wium, representatives from software vendors and practitioner*)

- Introduction to risk management using more advanced risk management methods as a quantitative approach including the Monte Carlo approach.
- Presentation by an industry practitioner on the application of risk management methods in a construction environment.
- Presentations by two suppliers of commercially available risk management software and an evaluation of the advantages and disadvantages of the tools (@Risk by Palisade, Primavera by Oracle).



# CONSTRUCTION RISK MANAGEMENT

## Course Information

<b>Date</b>	Monday 8 February 2016 & Tuesday 9 February 2016 (2 days) (Block 1) Wednesday 18 May 2016 – Thursday 19 May 2016 (3 days) (Block2) Friday 20 May 2016 (1 day) : enrolled students only Registration : 08:00 – 08:30 on 8 February 2016 and 18 May 2016 respectively
<b>Time</b>	From 08:30 to 17:00 on Mondays to Fridays with light lunch and tea/coffee breaks
<b>Place</b>	Room S202, Civil Engineering Building, University of Stellenbosch Faculty of Engineering, Building for Civil (and Electronic & Electrical) Engineering, access from Hammanshand Road via Joubert Street or from Banhoek Street, Stellenbosch (Route map available on request)
<b>Course Fee</b>	R1 200.00 / CEM student and R1 500.00 Other students Fee includes light lunch, tea/coffee and course notes. <i>(Transport &amp; Accommodation:- Own arrangement ) (Info available upon request)</i>
<b>Postal Address</b>	Department of Civil Engineering, c/o H Bosman (S478), University of Stellenbosch, Private Bag X1, Matieland 7602
<b>Website</b>	<a href="http://www.civeng.sun.ac.za">www.civeng.sun.ac.za</a>
<b>Enquiries</b>	Prof J A Wium                      Tel: 021 808 4348, Fax: 0865815756, <a href="mailto:janw@sun.ac.za">janw@sun.ac.za</a> Ms Hesmarie Bosman        Tel: 021 808 4131, Fax: 0865815756, <a href="mailto:hesmarieb@sun.ac.za">hesmarieb@sun.ac.za</a>



## REGISTRATION FORM

**COURSE:** **Short Course - Construction Risk Management**  
**Monday 8 February 2016 & Tuesday 9 February 2016 (2 days) (Block 1)**  
**Wednesday 18 May 2016 – Thursday 19 May 2016 (2 days) (Block2)**  
**Friday 20 May 2016 : Post graduate students only (Block2)**

**TO REGISTER:** Kindly complete this registration form and return to the Department of Civil Engineering.

Scan and e-mail to: hesmarieb@sun.ac.za  
*or*

Fax to: 086 5815756

Attention: Hesmarie Bosman

- ◆ Upon receipt of a signed registration form, an invoice will be issued for the relevant course fee and faxed to the participant.
- ◆ The course fee may be paid electronically or by direct bank deposit (banking details are provided on invoice).
  - Please state invoice and debtor's number when making payment.
  - Forward proof of payment.

**COURSE FEE: R1 200.00 / CEM Student and R 1 500.00 / Other student**

**CLOSING DATE FOR REGISTRATIONS:** FRIDAY, 29 JANUARY 2016 (10% penalty for late registration)

**CANCELLATIONS:** *Written cancellations will be accepted with a 12% admin fee penalty if received no later than 4 working days prior to commencement of the course. Thereafter a cancellation fee of 25% of the applicable fee will be payable by the participant.*

**ENQUIRIES:** Hesmarie Bosman, Tel: (021) 808 4131, E-mail: hesmarieb@sun.ac.za

*Field in blue compulsory*

PERSONAL DETAILS									
Title:	Surname:	Full Name:				ID:			
Qualification	Highest	Year achieved	Institution	Field	Race				
Tel:			Fax:						
Cell:			Email:						
COMPANY DETAILS									
Company Name:									
Postal Address:					Office Address:				
ATTENDANCE & PAYMENT DETAILS: For non-degree purposes (Draw a line through the options which do not apply)									
Attendance of full course including light lunch, tea/coffee and course notes:			R1200.00			R1500.00			
<b>In whose name should the invoice be issued:</b>			<b>Company</b>					<b>Attendant</b>	
<b>Please specify any special dietary requirements:</b>									
ATTENDANCE & PAYMENT DETAILS: For degree purposes (Registered Postgraduate Students only)(Block 1 & 2)									
Student Number		Postgraduate Programme		Dept		Block 1		Block 2	

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

