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CHAIR FOR CONSTRUCTION ENGINEERING AND MANAGEMENT

SHORT COURSE

CONSTRUCTION RISK MANAGEMENT

(1 CPD POINT PER DAY)

Block 1 :- 8 & 9 February 2016 and 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).



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Course Information

Date	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 12 February 2015 and 13 May 2015 respectively
Time	From 08:30 to 17:00 on Mondays to Fridays with light lunch and tea/coffee breaks
Place	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)
Course Fee	R5 000.00 / delegate – Block 1 only or R7 600.00 Full course (4 days) Fee includes light lunch, tea/coffee and course notes. R500 discount for Early Bird Registrations (on or before 15 January 2016) <i>(Transport & Accommodation:- Own arrangement) (Info available upon request)</i>
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