



SHORT COURSE IN PROJECT RISK MANAGEMENT and PPP

Offered by The Division of Construction Engineering and Management



5–9 September 2022

PRESENTERS

Prof Jan Wium
Prof Nthatsi Khatleli
Hannes Marais
Consultant
Contractor

Fee

5 days—R 10 000
(Individual days—R 2 500)

Registrations close
26 August 2022

Early bird registrations
close
5 August 2022

5 days R 8 000
(Individual days R 2000)

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COURSE DISCRPTION

A short course on Project Risk Management will be presented from 5 to 9 September 2022 at the Division of Construction Engineering and Management at the Department of Civil Engineering, Stellenbosch University.

CPD points will be awarded for attending (**ECSA and SACPCMP**)

OBJECTIVE

The objective of the course is to provide delegates with an understanding of the principles and concepts of risk management as performed by all parties involved in construction projects. Qualitative risk management as regularly performed in industry is addressed, but delegates are also made aware of more advanced quantitative techniques such as Monte Carlo analyses and decision trees.

A full day is allocated to principles of and risk in **Public Private Partnerships**.

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 understanding of construction risks and the role of procurement models. Representatives from client organizations, consultants and construction firms will all benefit from the course. Younger members from the industry will benefit from the qualitative principles of risk management and the role of procurement models. More experienced members will benefit from advanced risk methods and from the PPP component.

COURSE ARRANGEMENTS

The course will be presented on-line. Electronic versions of course material will be made available.

BRIEF OVERVIEW OF COURSE CONTENT

- Day 1:
 - 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
- Day 2:
 - Case study: Delegate participation
 - Design for safety during structural construction.



- Day 3:
 - Probability theory and decision trees
 - Monte Carlo analyses
 - Industry software
- Day 4:
 - Managing risk through procurement models
 - Contractual risk and risk apportionment
 - Industry presenters discuss contractor and consultant risks
- Day 5:
 - **Public Private Partnerships** (full day - introduction and overview)