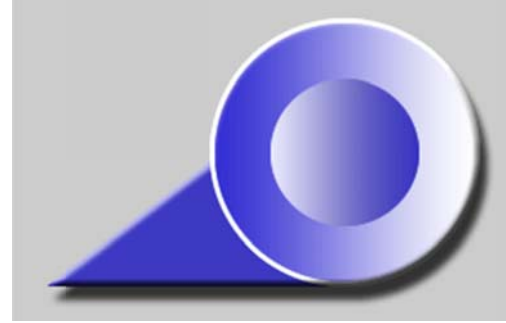


# Pavement Condition Analysis and Rehabilitation Design Training Course



Modelling and Analysis Systems (MAS) presents a two-day training course on Pavement Condition Analysis and Rehabilitation Design. The focus of the course is on practical and systematic implementation of the detailed rehabilitation process through assignments based on a real rehabilitation projects. Key elements of the course, and the Rubicon Toolbox Tools that will be used, include:

- Data management
  - Pavement performance history
  - Initial data processing, assessment and reporting
  - Processing, analysis, and reporting of materials test data
  - Analysis of deflections and backcalculation
  - Condition summary and formulation of design assumptions
  - Design criteria and evaluation
  - Risk analysis
- Data Viewer, High-Low Comparer*  
*Data Viewer, High-Low Comparer, Photo Logger*  
*Trial Pit Report, Grading Analyzer, DCP Analysis Tool*  
*Deflection Bowl Analysis, Backcalculation Data Viewer*  
*Layered Elastic Tools*  
*Layered Elastic Tools*

During the course, short lectures are given to refresh concepts, followed by an assignment relevant to the topic under discussion. The assignments use real data from a single project to implement structured and systematic recording and evaluation of collective evidence. Data analysis and reporting are facilitated using the Rubicon Toolbox software. The majority of the course time is spent working on assignments both individually and in groups, hence a "hands-on" experience is guaranteed. A working knowledge of essential and more advanced tools in the Rubicon Toolbox software is also established. The class sizes are limited to facilitate discussion and individual attention.

The course is presented by MAS staff, Dr Fenella Long and/or Dr Arno Hefer, who have extensive experience in Pavement Design and Analysis.

## ***Who Should Attend***

This course is not an introductory course in pavement engineering, although key concepts are briefly reviewed. The course is therefore best suited to participants who have some experience in pavement design and analysis. It is not necessary to have experience in the use of Rubicon Toolbox to participate in the course.

The course is registered with SAICE and is valid for two CPD credits.

## ***Dates and Locations***

- 30 & 31 March 2011, Cape Town
- 19 & 20 May 2011, KZN
- 15 & 16 September 2011, Pretoria

A minimum number of attendees are required for the course to be held. Should you be interested in attending a course at other locations, or holding an in-house course, please contact us.

## ***Cost***

The cost per person is R 4 250 (excluding VAT) and includes course notes, lunch and refreshments. Maintenance paying Rubicon Toolbox users will receive a 15% discount. Attendees are required to bring their own laptop computers, but are not required to have Rubicon Toolbox installed on the computer.

Should you be interested in attending a course, please contact MAS at [info@modsys1.com](mailto:info@modsys1.com), 012 734 0062 or 082 331 9479.