

Applied Geomechanics



A block release course over 5 days 9 - 13 July 2018



Course Co-ordinator: Dr Marius de Wet (Stellenbosch University)

Course Presenters: Frans van der Merwe & Brendon Jones (Gage Consulting)

Prerequisites

Attendees are expected to have an understanding of shear strength of soil, of bearing capacity calculations for foundations and of lateral earth pressure of soil on retaining structures.

Course Objectives

Furthering the knowledge of recently graduated people and create an opportunity for practicing engineers to learn from various experts in the field

Attendees should bring their own laptops for sessions.

Course Fees: R8000.00

CPD: 4.5

Course Outcomes

- ◆ Design and construction of segmental block retaining walls
- ◆ Design and construction of mechanically stabilized earth walls
- ◆ Application of stereographic plots and kinematic analyses in rock excavations
- ◆ Ground improvement methods
- ◆ Method of analysis using a composite geogrid
- ◆ Basal reinforcement using geo-synthetics
- ◆ Lateral support walls
- ◆ Support of unstable natural slope, mountain passes and other structures
- ◆ Rock mass classification systems

Course Assessment

Participants attending the course for degree purposes will be assessed by means of a design assignment and/or a written open-book examination as follows:

- ◆ Design assignment:
- ◆ Examination:

Course Material

Attendees will be provided with a complete set of all presentations in **electronic format only**. Supplementary reading and specimen spreadsheets will be provided electronically.

Registered US students: R 1000.00

Applications close: 2 July 2018

Enquiries : Janine Myburgh / Tsholofelo Seroale

Tel : 021 808 2080 / 021 8084131

E-mail : civilcourses@sun.ac.za

Applied Geomechanics



REGISTRATION FORM

9 - 13 July 2018

Please note there is also an online registration process. Link will be sent once this form has been received

Title		Surname		Name	
Student No.	<i>(if applicable)</i>				
Company					
Address					
Tel					
Cell			Applicant E-mail		
Invoice for attention:			Inv E-mail		
Special dietary requirement					

Please read and sign below

Cancellations will be accepted in writing and without penalty, up to 5 working days prior to commencement of the course. Participants cancelling in writing less than 5 working days prior to commencement of the course will be liable for a 50% cancellation fee. Following registration without attendance and without written cancellation, delegates will be held responsible for the full course cost.

I HAVE READ AND AGREE TO THE CONDITIONS OF REGISTRATION AS STIPULATED ABOVE

SIGNATURE: _____

DATE: _____