



3-Day Course: Sewer Systems Planning & Design

Venue: Gericke Library auditorium, University of Stellenbosch, Stellenbosch, South Africa

22 to 24 June 2009 (Monday – Wednesday)

Overview This three day block course (3 CPDs) is part of the post graduate programme in Water Engineering at the Stellenbosch University. An open invitation to attend the course at the prescribed fee is extended to all those interested.

Objective The objective of this course is to provide the latest information regarding sewer systems, their planning and design. The focus of the course is on piped, waterborne systems and the latest technology, pipes, modelling, hydraulics, pumps and practical challenges pertaining to sewers.

Speakers Four speakers from Gauteng join local specialists to present in their relevant fields of expertise.

Invitation The course could be viewed as an introduction to sewer systems or as a refresher bringing the latest advances in the field to participants. The course (including course notes) will be presented in English.

Product Expertise shared by speakers; networking opportunities; hard copy of the course notes; CD with course notes and additional documentation in electronic format, CDs with the latest executable evaluation versions of commercially available software (e.g. Knowledge Base's Civil Designer; GLS's Sewsan) as well as marketing information. Knowledge Base has kindly agreed to re-run a competition offering a prize similar to the iPod, that was won by a delegate in 2008.

Monday 22 June			
Morning session: Planning and design (1)			
07h30	Registration & coffee		
08h15	Welcome and introduction	US	HE Jacobs
08h30	Holistic approach to model and manage sewers	GLS Consulting	LC Geustyn
09h15	Practical low-tech tools for sewer master planning	US	HE Jacobs
10h00	Tea		
10h30	Integrated high-tech tools: Asset management & planning	IMQS	R Knight
11h15	South African sewer design guidelines and standards	UP	M van Dijk
12h00	Conceptual design: Fisantekraal bulk sewer	NS	S Kleynhans
12h45	Lunch		
Afternoon session: Case studies and practical issues			
14h00	Small diameter sewer reticulation - practical considerations	Dombo Du Plessis	R (LC) Van Wyk
14h45	Specialised sand trap design - City of Cape Town	BKS	C Loubser
15h30	Case Study: Delft Bulk Sewer and Interceptor Sewer	KV3	J Prins & A Coetzee
16h15	Tea - End day 1		
Tuesday 23 June			
Morning session: Rehabilitation and Pipes			
07h30	Late registration & coffee		
08h30	Trenchless technology	BKS	H Aartsma
09h15	Internal pipe inspection - CCTV application	Sight Lines	G Derman
10h00	Tea		
10h30	Designing for corrosion in concrete sewers	PIPES	A Goyns
11h15	GRP sewer pipes	Amitech	H Mostert
12h00	Developments in PVC sewer piping systems	DPI	M De Villiers
12h45	Lunch		
Afternoon session: Planning and design (2)			
14h00	Pump station design and pump selection	BKS	T Pollard
14h45	Sewer master planning tools	GLS Consulting	K Fair
15h30	Loads and strengths on pipes	PIPES	A Goyns
16h15	Tea - End day 2		

Wednesday 24 June

Morning session: Sewer flow and flow modelling

07h30	Late registration & coffee		
08h30	Estimating peak flows	GLS Software	K Fair
09h15	Real time monitoring of sewer flows	Flowtron	K Vosloo
10h00	Tea		
10h30	Sewer system modelling in high density urban areas	UJ	M Griffioen
11h15	Hydraulics of pipes flowing partially full	UJ	M Griffioen
12h00	Sedimentation in sewers - theory and practice	Arcus Gibb	D Crombie
12h45	Lunch		

Afternoon session: Alternatives to conventional sewers

14h00	Small-bore (solids-free) sewers	Arcus Gibb	D Crombie
14h45	Alternative water borne solutions to conventional sewers	UCT	M Buxton-Tetteh
15h30	Closure	US	HE Jacobs
16h00	Tea - End of course		

REGISTRATION FORM (SEWER SYSTEM PLANNING & DESIGN 2009)

Kindly complete this registration form and return it to fax +27 21 808 4351 or E-mail the form to elmien@sun.ac.za : **The Secretary, Institute for Water and Environmental Engineering, Department of Civil Engineering, University of Stellenbosch, Water and Sewer Network Course, Private Bag X1, MATIELAND, 7602, South Africa.** On receipt of the completed registration form, an invoice will be faxed to participants within one week. Payment can be made electronically (details provided on the invoice) or by cheque, to be made payable to **University of Stellenbosch.**

Note: Kindly include a blank letter head with registration.

CLOSING DATE FOR REGISTRATION AND PAYMENT: 5 June 2009

Title		Surname		Name	
Company					
	Business registration number:		VAT registration number:		
Postal Address					
Street Address					
Tel					
Fax					
Email					
Special dietary requests					
Contact person regarding payment					

FEES: R5 900-00 for three days (Incl. VAT) (Includes tea, lunch, course notes and electronic information).
R4 500-00 for two days (Incl. VAT); **R2 800-00 one day** (Incl. VAT) (Includes tea, lunch and course notes).

Dates of attendance (mark with X):

22 Jun		23 Jun		24 Jun	
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Note : A reduced fee of R1000 is applicable to US registered post graduate students.
 Please indicate in the block below if you are a student enrolled at the US:

STUDENT ?	YES / NO
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Cancellations are accepted in writing without penalty up to 29 May 2009. Cancellation after 29 May 2009 will be liable to pay a 50 % cancellation fee.
 I HAVE READ AND AGREE TO THE CONDITIONS OF ENTRY AS STIPULATED IN THIS BROCHURE.

Signature: _____

Date: _____

Enquiries can be directed to:

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or

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