



3-Day Course: Sewer Systems

Venue: STIAS, Stellenbosch Institute for Advance Study, Stellenbosch, South Africa

8-10 June 2011 (Wednesday to Friday)

Overview This three day block course (3 CPDs) is part of the post graduate programme in Water Engineering at 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 urban sewage drainage and related waterborne sewer systems. The latest technology and developments regarding pipes, modelling, hydraulics, pumps and practical challenges are presented.

Speakers Two speakers from Gauteng join local specialists to present in the relevant fields of expertise.

Scope The course is both an introduction to sewer systems and a refresher to those in this line of work, 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 as well as relevant marketing information.

Registration and fees Those interested in registering should complete the registration form on the second page of this document. The relevant fees are reflected on the registration form.

Enquiries Mrs Elmien Lovell (Tel: +27 21 808 4352, Fax: +27 21 808 4351, elmienl@sun.ac.za) or contact the course organiser Dr HE Jacobs (waternetworks@sun.ac.za) for more information.

Wednesday 8 June			
Morning session: Urban sewers - Our future and environment			
08h00	Registration & coffee		
08h45	Welcome and introduction	US	HE Jacobs
09h00	Sewers and sewage - a brief review	US	HE Jacobs
09h45	Sewers of the future	GLS	LC Geustyn
10h30	Tea		
11h00	Community Health	US	J Barns
11h45	Environmental impact - EIA process and requirements	US	JA Du Plessis
12h30	Sustainability and urban drainage	US	HE Jacobs
13h15	Lunch		
Afternoon session: Pumps and practical problems			
14h00	Trapping the problems	BKS	C Loubser
14h45	Sewage pumps and pump selection	FluidSolutions	L Worthington-Smith
15h30	Tea - End day 1		
15h45	Pump station problems and problem prevention	FluidSolutions	L Worthington-Smith
Thursday 9 June			
Morning session: Hydraulics and design			
08h00	Late registration & coffee		
09h00	CFD applications in pump sump design	US	W Kamish
09h45	Sewer hydraulics with emphasis on transition losses	PIPES	A Goyns
10h30	Tea		
11h00	Sedimentation in sewers	Arcus Gibb	D Crombie
11h45	Waterborne sanitation design guide for SA	UP	M van Dijk
12h30	O&M guide for waterborne sanitation in SA	UP	M van Dijk
13h15	Lunch		

Afternoon session: Modelling and experiments			
14h00	Multi-objective sewer system cost optimisation	CSM	AJ Bester
14h45	The water-sewer relationship	GLS	K Fair
15h30	Tea - End day 2		
15h45	Corrosion research on Virginia sewer experiment	PIPES	A Goyns
Friday 10 June			
Morning session: Management and planning			
08h00	Late registration & coffee		
09h00	Asset Management	US	C Nel
09h45	Water and sanitation information solutions	Jantech	GE McConkey
10h30	Tea		
11h00	Sanitown - A hypothetical benchmark model	GLS	AH De Klerk
11h45	New pipe seal system and restraint joint for PVC sewers	DPI	M De Villiers
12h30	Introduction to trenchless technology	BKS	H Aartsma
13h15	Lunch		
Afternoon session: Rehabilitation			
14h00	Sewer rehabilitation using trenchless technology	BKS	H Aartsma
14h45	Closure	US	HE Jacobs

REGISTRATION FORM (SEWER SYSTEMS COURSE 2011)

Kindly complete this registration form and return it to fax +27 21 808 4351 or E-mail the form to elmienl@sun.ac.za: **The Secretary, Institute for Water and Environmental Engineering, Department of Civil Engineering, University of Stellenbosch, Sewer Systems 2011, Private Bag X1, MATIELAND, 7602, South Africa.** On receipt of the completed registration form, an invoice will be faxed to participants within 5 working days. 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: 27 MAY 2011

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: R6 400-00 for three days (Incl. VAT) (Includes tea, lunch, course notes and electronic information).
R4 700-00 for two days (Incl. VAT); **R3 000-00 one day** (Incl. VAT) (Includes tea, lunch and course notes).

Dates of attendance (mark with X):

08 Jun		09 Jun		10 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 20 May 2011. Cancellation after 20 May 2011 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: _____