

GROUND WATER DIVISION, GEOLOGICAL SOCIETY OF SOUTH AFRICA

COURSE: AN INTRODUCTION TO GROUNDWATER

LEVEL: BEGINNER - INTERMEDIATE

DATES: 19 MAY - 21 MAY 2010

ORGANIZERS: GROUNDWATER DIVISION (National) OF THE GEOLOGICAL SOCIETY OF SOUTH AFRICA

VENUE: TBC* await approval CGS

OBJECTIVE: The Course is an introduction to groundwater and is aimed at those involved or interested in groundwater (or geohydrology) who wish to broaden their understanding of the fundamentals of the science of geohydrology.

CONTENT: The Course will generally include the following topics: ground water terminology, ground water occurrence and flow, aquifer definition, exploration methods, drilling and borehole construction, aquifer test pumping and evaluation, ground water chemistry, tracers and isotopes, ground water pollution, water resource management, legislation, ground water modelling and mine dewatering. The lectures will be presented in English.

FORMAT: Lectures by groundwater experts and practical exercises where applicable. Discussions are encouraged.

INSTRUCTORS: The course will be hosted by a variety of experts from the Academia, Science Councils and Industry.

COST:

3 day full course R 3,750 - NON GWD MEMBERS

3 day full course R 3,635 - GWD MEMBERS

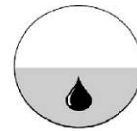
AN INTRODUCTION TO GROUNDWATER
 LEVEL: INTERMEDIATE
 Venue: GAUTENG–Pretoria

PROVISIONAL COURSE PROGRAMME

19-21 May 2010

**FOLLOWING HEREWITH IS THE DRAFT PROGRAM FOR THIS ANNUAL GWD COURSE.
 CONFIRMATION OF FULL PROGRAMME BY 23 APRIL.**

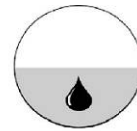
Day1		2010 –CONFIRMED / NEW
08:00 – 08:30	Registration and welcome	GWD NATIONAL
08:30 – 09:30	Groundwater in South Africa Introducing status, overview and summary. <i>Dr Shafick Adams, Water Research Commission, GWD National Chair</i>	Dr Shafick Adams CONFIRMED
09:30 – 10:15	Groundwater: Introduction, definitions and hydrological cycle.	NEW – Nomination.
10:15 – 10:30	Tea	



10:30 – 11:30	Aquifer conceptualization, investigation and evaluation A story to tell. Mining experiences.	<i>RT tentative</i>
11:30 – 12:30:	Exploration for ground water (Including case study)	NEW
12:30 – 13:30	<i>Lunch</i>	
13:30 – 15:00 -	Borehole and aquifer testing Practical: Test pump analysis: Case Study	<i>MD tentative</i>
15:30 – 16h00	Open Forum / Discussions	
16:00 – 17:30	Attendee event (Icebreaker)	

Day2		
08:30 – 10:00	Principles of hydrochemistry With practical case study	Dr Kai Wittheueser CONFIRMED
10:00 – 10:15	Tea	
10:15 – 12:30	Isotope Hydrology	<i>ST tentative</i>
12:30 – 13:30	Lunch	
13:30 – 15:00	Introduction to geophysical exploration Including Evaluation of results	Dr Abera Tessema CONFIRMED
15: 00 -15h30	Tea	
15:30 – 17:00	Aquifer modelling & Conceptual Models	<i>LL - tentative</i>

Day 3		
08:30 – 10:00	Groundwater Resource Directed Measures	Mr Martin Holland CONFIRMED
10:30 – 10:45	Tea	
11h00 – 12h30	Groundwater Management With practical example	Mr Ernest Bertram, CONFIRMED
12:30 – 13:30	Lunch	
13h30 – 14:30	Groundwater assessment in EIA/EMP? OR see note below.	NEW
NOTE	Topics that was requested by previous attendees: <ul style="list-style-type: none"> ▫ <i>Groundwater development</i> ▫ <i>Groundwater monitoring</i> ▫ <i>SW & GW Interaction</i> 	
14h30 -15h00	Final Attendee event (Closing and Presentation of certificates.)	ALL



GWD Groundwater Course Registration Form 19-21 May 2010

Course application closing date: **12 May 2010**
 Or when limit of **25 course** attendees booked

Contact Details / Delegate Details			
(Course confirmation will be sent through to this person)			
Delegate Name		I/D Passport No	
Company Name		Role Title	
Company Address		Email Address	
		Phone Number	
		Fax Number	
GWD Member (y/n)		Any Special Dietary requirements	
Accommodation	Please note that own accommodation arrangements must be made. Please contact the Secretariat if special assistance is required. There will be accommodation packages available.		
Payment options			
(Select your option and fill in the appropriate section)			
3 day full course R 3,750 - NON GWD MEMBERS			
3 day full course R 3,635 - GWD MEMBERS			
Account (Section A)	<input type="checkbox"/>	Cash (Section B)	<input type="checkbox"/>
		Cheque (Section B)	<input type="checkbox"/>
			EFT (Section B)
			<input type="checkbox"/>
Section A: (Purchase order number is compulsory or a letter of guarantee confirming you company will be paying, before course commencement)			
Purchase Order Number		Invoice Recipient	
Customer Account Number		Role Title	
Invoice Address		Email Address	
		Phone Number	
		Fax Number	
Section B: (Responsible person details. Ignore, if details same as delegate details. Proof of transfer or deposit is to be provided before course commencement)			
Full Name		Surname	
Invoice Address		Email Address	
		Phone Number	
		Fax Number	
Signature: _____		Date: _____	

Please fill page 3 and fax to 0862108167 or scan and email to info@gwd.org.za