



REGISTRATION FORM

Provider(s):	ILANDA WATER SERVICES & WATER BUSINESS ACADEMY (PTY) LTD				
Course Venue:	PRETORIA EAST VENUE – TO BE FINALISED				
Short Course Title:	SURFACE WATER MANAGEMENT in MINING				
Presenter(s):	Dr. Bruce Randell (iLanda Water Services)				
Activity Date(s):	9 March 2022	CPD Points (ECSA & SACNASP)	1	Duration:	1 Day – Full Time (8 Hours)
<u>Target Audience:</u>	<ul style="list-style-type: none"> • Water Resource Practitioners & Managers (in the public and private sectors) • Staff of Government Departments. (i.e.. Department of Water and Sanitation, Department of Environment, Forestry and Fisheries, Department of Mineral Resources, etc.) • Environmental and Engineering Staff in the public and private sectors (eg. Mines, Consulting companies, etc.) • Practitioners that are active in associated / related disciplines. 				
<u>Entry Requirements:</u>	<ul style="list-style-type: none"> • A Bachelor’s Degree (NQF level 7) in an appropriate physical science discipline <u>OR</u> relevant / equivalent experience. 				
<u>Participants per Short Course (In-Person & On-Line)</u>	<ul style="list-style-type: none"> • Minimum number of in-person participants per course = 25 • Maximum number of in-person participants per course = 30 (based on lecturing venue / facility) • Minimum and Maximum number of on-line participants per course respectively = 20 & 25 				

Director: Dr. Rian Titus (Water Business Academy)

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PARTICIPANT DETAILS – REPLY FORM

Name and Surname:					
Highest Qualification:		Specialisation:		Years' Experience:	
Company / Organisation:					
Physical Address (Company):					
Company / Organisation VAT Number:		Company / Organisation Fax:			
Email:			Contact Number:		
Attendance Preference:	In-Person	Yes / No		On-Line	Yes / No
Special Dietary Requirements:					
Signature:			Date:		
Short Course Title:	Surface Water Management in Mining				
Presenter(s) and Alternatives:	Dr. Bruce Randell (iLanda Water Services)				
Activity Date(s):	9 March 2022	CPD Points: ECSA & SACNASP		1	Duration: 1 Day – Full Time (8 Hours)

Please complete the **Reply Form** and return to: shortcourses@waterbusinessacademy.co.za

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PAYMENT DETAILS:

Cost per participant:	In-Person Attendance: R 3 500.00 (Excl. VAT) for the 1 – Day Course On-Line Attendance: R 2 500.00 (Excl. VAT) for the 1 – Day Course
Early Bird Discount	In-Person Attendance: R 3 000.00 (Excl. VAT) for the 1 – Day Course On-Line Attendance: R 2 000.00 (Excl. VAT) for the 1 – Day Course <i>Applicable to all that register and pay prior to or on 18 February 2022.</i>
Post-Graduate Students	In-Person Attendance: R 2 500.00 (Excl. VAT) for the 1 – Day Course On-Line Attendance: R 1 500.00 (Excl. VAT) for the 1 – Day Course <i>Bona Fide Post-Graduate Students. Limited to five (5) P.G. student per short course. No further Early Bird Discounts for PG Students.</i>
Payment Terms:	Full payment ten (10) days prior to commencement of short course (on 28 February 2022). Add the participant's Name and Surname as a reference for payment. Email proof of payment with the completed Return Slip to shortcourses@waterbusinessacademy.co.za
Banking Details:	An invoice with banking details will be issued upon final registration. Places are allocated and reserved on a first-come-first-serve basis and upon receipt of the completed Reply Form .

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TERMS & CONDITIONS

- Places are allocated and reserved on a first-come-first-serve basis and upon receipt of the completed **Reply Form**. Final registration date for the short course is 28 February 2022. Each participant must register on a separate Reply Form. Email completed Return Slip to shortcourses@waterbusinessacademy.co.za.
- An **invoice** will be issued, upon receipt of the completed **Reply Form**, with all the required deposit / banking details. **Final Payment** is required (by direct bank deposit or electronic transfer) in full ten (10) days prior to commencement of the short course (i.e. on 28 February 2022 and/or within five (5) days from the date of invoice). An early bird discount fee applies (18 February 2021). Please indicate your Name and Surname on the bank deposit / electronic transfer as a reference for payment and email proof of payment to shortcourses@waterbusinessacademy.co.za. Please also refer to Payment Details form.
- A **minimum number** of 25 in-person attendees are required for the in-person implementation of the short course to proceed. The maximum number of in-person participants per short course is set at 30 participants (based on lecturing venue / facility). The cut-off date for the in-person course to proceed (based on participant numbers) is set at ten (10) days prior to the scheduled course commencement.
- A **minimum number** of 20 on-line attendees are required for the on-line implementation of the short course to proceed. The maximum number of on-line participants per short course is set at 25 participants. The cut-off date for the on-line course to proceed (based on participant numbers) is set at ten (10) days prior to the scheduled course commencement.
- Requests for **course rescheduling** must be emailed to shortcourses@waterbusinessacademy.co.za at least ten (10) days prior to course commencement failing which full course fees will be payable. Registered attendees can exchange with colleagues at no charge for such substitutions provided that a written request has been submitted (emailed to shortcourses@waterbusinessacademy.co.za) and a new Reply Form completed.
- Requests for **cancellations** must be emailed to shortcourses@waterbusinessacademy.co.za at least ten (10) days prior to course commencement OR a 100% cancellation fee will be payable.
- **ILANDA WATER SERVICES & WATER BUSINESS ACADEMY** reserve the right to, due to unforeseen circumstances, **cancel or reschedule** the short course date and to change / replace the presenter up to ten (10) days prior to the scheduled course date. Participants will be fully reimbursed should the short course be cancelled.
- No **refunds** can be made for late cancellations and/or no-shows.

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- Requests for **refunds** should be in writing with the correct banking details indicated. All refunds will be settled within one month after the course date.

For further information please see contact details for **Rian Titus** below. Communication through email is preferred due to travelling commitments.

Yours faithfully

A handwritten signature in black ink, appearing to be 'Rian Titus', written over a faint horizontal line.

Dr. Rian Titus
WATER BUSINESS ACADEMY
Email: shortcourses@waterbusinessacademy.co.za

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SHORT COURSE OUTLINE

SURFACE WATER MANAGEMENT in MINING

SERVICE PROVIDER(S): ILANDA WATER SERVICES & WATER BUSINESS ACADEMY

DATE: 9 March 2022

COURSE DURATION: 1 Day (8h30 to 16h30)

VENUE: PRETORIA EAST (To be confirmed)

BACKGROUND

Mine water management is a broad topic covering a range of specialist sub-disciplines. In this case, mine water management will focus on groundwater, surface water and process water management within the mining environment, on the water management aspects associated with the varied mine residue deposits as well as on the regulations that govern the use, storage, management, etc. of the water resources.

OBJECTIVES

The main objective of the varied modules on Mine Water Management is to improve 'water resource management across the mining environment' and to apply knowledge as well as implement preventative and mitigation programmes in an integrated manner.

The specific objectives of this module are;

- To understand the hydrological environment in terms of both quantity and quality and how to assess/evaluate/quantify the potential hydrological impacts of the mining operation on receiving surface water resources.
- To evaluate management options (incl. protection, monitoring, etc.) to minimise potential impacts on surface water resources in the mining environment as well as to comply with governing legislation.

MODULE CONTENT

The model will cover the following content at conceptual and management levels:

- Understanding baseline climate
- Understanding rainfall/runoff response
- Understanding flood hydrology and the modelling of flood events
- Understanding storm water management in the mining context
- Understanding how to develop appropriate surface water quality monitoring programs
- Understanding of governing legislation (including best practice) specific to the management of surface water in the mining context
- The importance of Geographic Information Systems (GIS) in hydrological assessments

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TARGET AUDIENCE

This module is intended for practitioners (i.e. professionals) with minimum 3 years' experience including;

- Water Resource Practitioners & Managers (eg. Engineering and Environmental staff that are associated with the mining and related consulting industries).
- Staff of Governmental Departments (eg. i.e.. Department of Water and Sanitation, Department of Environment, Forestry and Fisheries, Department of Minerals Resources, etc.)
- Practitioners that are active in associated / related disciplines.

DELIVERY MODE

- In-person and On-line Presentations (i.e. Lectures); Discussion of Case Studies, etc.

ENTRY REQUIREMENTS

A recognised Bachelor's Degree at NQF Level 7 or above in an appropriate / relevant physical scientific discipline.

Recognition of Prior Learning (RPL):

The provider recognises and will meet the national requirements for RPL. RPL applications will be assessed for the following:

- An applicant's informal learning or non-accredited formal studies are assessed as being equivalent to the prerequisite qualification.
- Work experience; a minimum of 3 years' experience within the industry in conjunction with the academic record of the candidate.
- The implementation of advanced standing in instances where the candidate does not meet the minimum entry requirements.
- Relevant modules that have been successfully completed at other accredited Higher Education Institutions where modules are equivalent in content and standard.

CONTACT DETAILS

Short Course Presenter: Dr. Bruce Randell

Short Course Coordinator: Dr. Rian Titus

Email address: shortcourses@waterbusinessacademy.co.za

Director: Dr. Rian Titus (Water Business Academy)

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