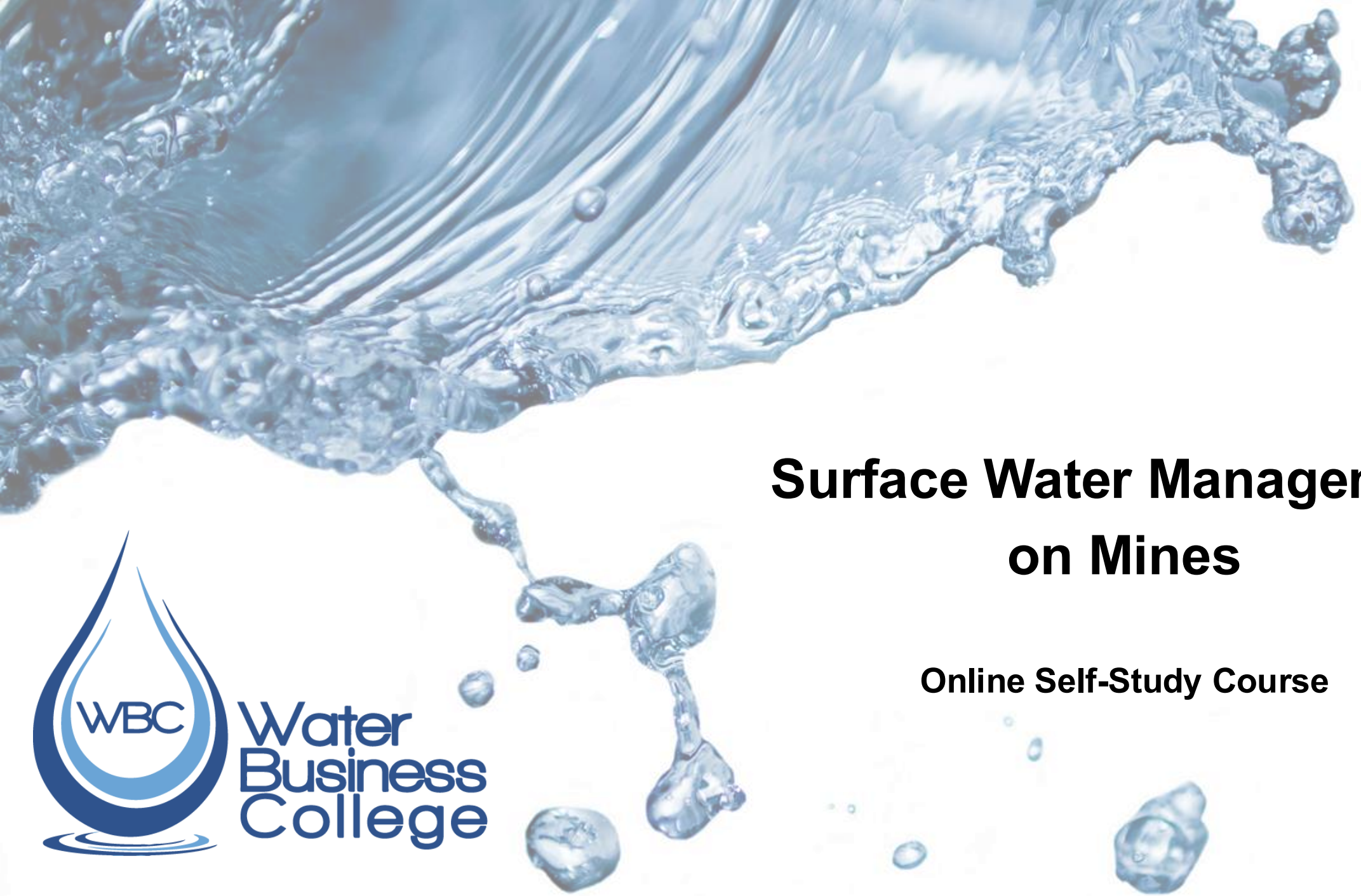


Surface Water Management on Mines

Online Self-Study Course

WBC Water Business College

Objectives of the Course

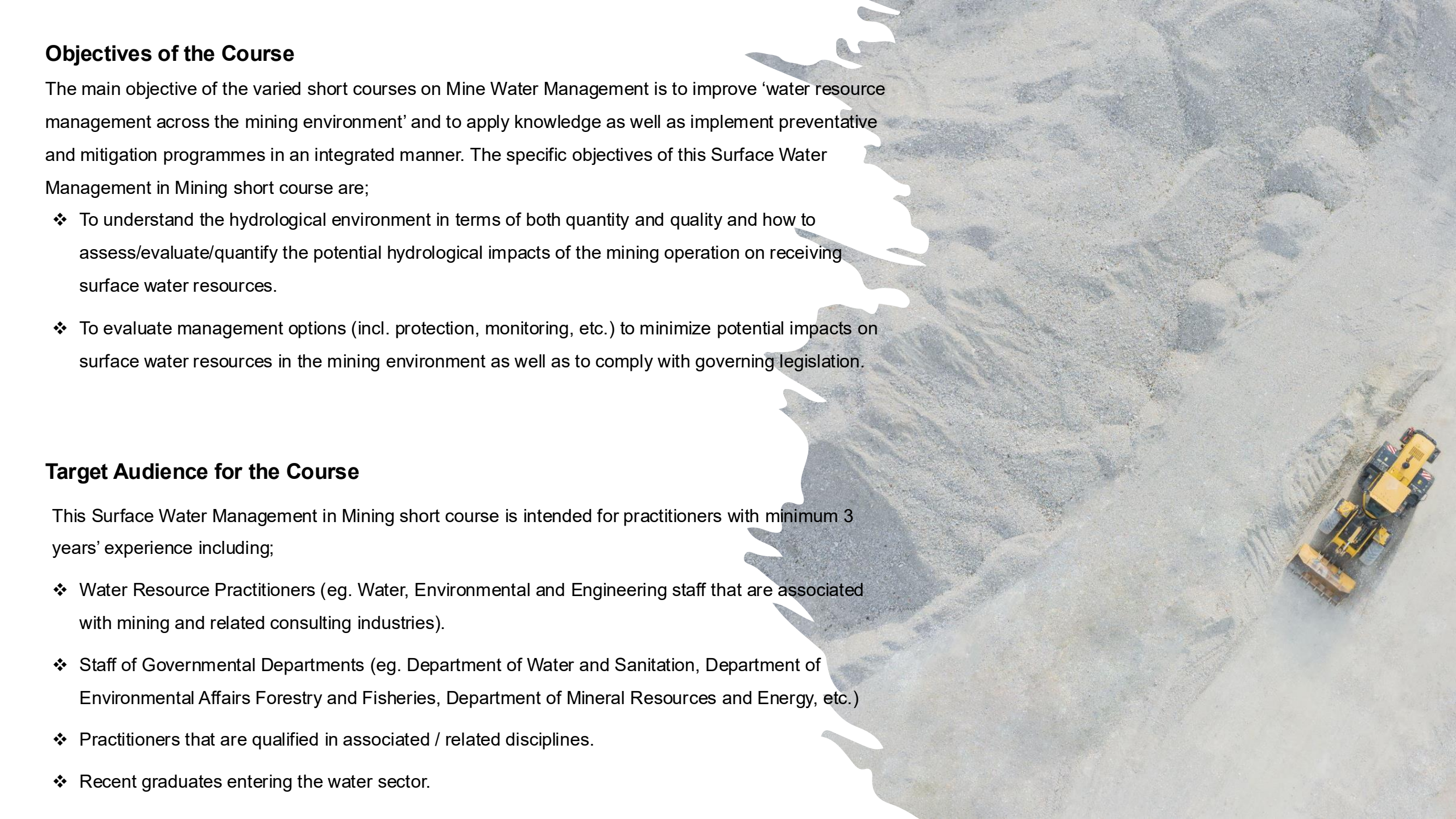
The main objective of the varied short courses on Mine Water Management is to improve ‘water resource management across the mining environment’ and to apply knowledge as well as implement preventative and mitigation programmes in an integrated manner. The specific objectives of this Surface Water Management in Mining short course 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 minimize potential impacts on surface water resources in the mining environment as well as to comply with governing legislation.

Target Audience for the Course

This Surface Water Management in Mining short course is intended for practitioners with minimum 3 years’ experience including;

- Water Resource Practitioners (eg. Water, Environmental and Engineering staff that are associated with mining and related consulting industries).
- Staff of Governmental Departments (eg. Department of Water and Sanitation, Department of Environmental Affairs Forestry and Fisheries, Department of Mineral Resources and Energy, etc.)
- Practitioners that are qualified in associated / related disciplines.
- Recent graduates entering the water sector.



Course Structure - Surface Water Management on Mines

The **Surface Water Management in Mining** short course is an **online, self-study course comprising of seven (7) videos with associated presentations.**

The short course covers the following topics:

- Understanding baseline climate (1 hour 30 minutes)
- Understanding rainfall/runoff response (31 minutes)
- Understanding flood hydrology & the modelling of flood events (1 hour 34 minutes)
- Understanding storm water management in the mining context (33 minutes)
- Developing surface water quality monitoring programs (45 minutes)
- Governing legislation - Management of surface water in the mining context (53 minutes)
- The importance of GIS in hydrological assessments (39 minutes)

The total duration for all seven (7) videos is 5 hours. Separated presentations are included for the short course.

The learner / participant completes, at his/her own pace, the tasks related to a specific topic.

The total time allocated to complete this online self-study course is **one (1) month.**.

Flexibility / Accessibility of Course Material

The short courses are available 24/7 and the learner / participant can start at any time once registered!

Engagement with Course Developer

The learner / participant will be able to post questions and/or comments on the activities / tasks. The developer of the short course will regularly respond to the questions and comments. The developer may also arrange an online meeting to respond to the questions and/or comments. The date and time for such an online meeting, specific to a short course, will be posted on the WBC LMS. All online meetings / forums, etc may / will be recorded and posted on the WBC LMS for the benefit of all learners / participants registered for the short course.

The short course will be updated bi-annually and expanded based on feedback from participants.

Flexibility / Accessibility of Course Material

The short courses are available 24/7 and the learner / participant can start at any time once registered!

Please Note

The content for the short course is designed to be informative and is not intended to assist participants with hydrological project / consulting work. Hydrological project work must be conducted under the guidance of experience hydrologists.

Refunds

Cancelling and/or not completing the short course does not qualify the learner / participant to be eligible for a refund. Refunds will only be considered if there are compelling reasons (for cancellation / termination) beyond the control of the learner / participant.

In Addition

- This short course is **accredited by the Engineering Council of South Africa (ECSA) and approved for one (1) CPD Credit / Point**. The DIY course is not yet accredited by South African Council for Natural Scientific Professions (SACNASP). The latter is not applicable to international participants.
- The short courses are not related to any qualification but may serve to support specific content of a related qualification.
- In addition, the DIY courses are not associated with specific NQF levels.

Course Fees

The **introductory fee** for the online self-study course is **R 2 500**.

Further information on the short course can be accessed on the WBC website at: https://waterbusinesscollege.co.za/

Registration for the short course can be done online at: https://waterbusinesscollege.co.za/. Locate the relevant DIY course on the WBC website.

Full-Time and Part-Time Students (Current Registrations)

The significantly reduced fee for **registered (current registrations) full-time and part-time students** at any tertiary institution is **R 350**. Students will be required to provide a copy of their annual registration form (current year) issued by the tertiary institution. **Participants opting for the student course (with reduced course fee) will not receive CPD points**.

Please submit your documentation to: students@waterbusinesscollege.co.za.

Contact Information

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