**Geotechnical Center of Excellence**  
**Professional Development Course: Online and Live**

Offered by the Geotechnical Center of Excellence (GCE) at the University of Arizona, developed and taught by some of the leading industry experts in Mining Hydrogeology. This course content is based on the LOP book “Guidelines for Evaluating Water in Pit Slope Stability” (Beale and Read, 2014, CSIRO Publishing/CRC Press), but also adds additional and updated material for controlling water in mining operations and improving geotechnical slope stability. The course will also include case studies of water management challenges and solutions in open pit and underground mines.

**Who Should Attend?** Geotechnical Engineers, Hydrogeologists, Mining Engineers and Managers who are interested in gaining a better understanding of the role water plays in mine operations and slope stability.

**What the Course Offers –**
- Framework and Site Characterization
- Development of a Conceptual Hydrogeological Model
- Numerical Model Applications
- Implementation of Mine Water Control Systems Monitoring and Design Reconciliation
- Practical Case Studies

**Course Timeline –**
- **10 weeks** of online learning modules  
- Approximately 2 hours of **pre-recorded presentations** per week  
- **Live bi-weekly Q&A sessions**: virtual webinar with expert panel  
- **Attendee Mini-Symposium**: course end virtual event

**Expert Instructors –**
- Geoff Beale, Jeremy Dowling, Simon Sholl, Martin Williams – Piteau Associates  
- Blair Douglas – BHP  
- Carolina Ahumada – Minera Escondida  
- Phil de Graaf – De Beers Group  
- Travis White – Anglo American  
- Jim Weigel – Rio Tinto Kennecott  
- Other Industry Experts

For More Information or to Register for the Course:  
Email the GCE:  
gce@arizona.edu

Course Fee: $899 USD*  
*Discounts available for GCE members, students, and groups

This course was underwritten by the Large Open Pit Project (LOP)