

FUNDAMENTALS OF OPEN PIT SLOPE DESIGN

A GEOTECHNICAL CENTER OF EXCELLENCE PROFESSIONAL DEVELOPMENT COURSE



THE UNIVERSITY OF ARIZONA
School of Mining
& Mineral Resources

This professional development course features material presented by industry experts to help geotechnical professionals better understand the fundamental concepts and best practices for slope analysis and design throughout the life cycle of an open pit mine.

SECTION 1	FUNDAMENTALS OF SLOPE DESIGN
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SECTION 2	FIELD DATA COLLECTION
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SECTION 3	GEOLOGICAL, STRUCTURAL, AND HYDROGEOLOGICAL MODELS
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SECTION 4	ROCK MASS MODEL AND GEOTECHNICAL MODEL
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SECTION 5	SLOPE DESIGN ANALYSIS METHODS
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SECTION 6	DATA UNCERTAINTY AND DESIGN ACCEPTANCE CRITERIA
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SECTION 7	DESIGN IMPLEMENTATION AND PERFORMANCE MONITORING
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SECTION 8	RISK MANAGEMENT
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SECTION 9	OPEN PIT CLOSURE
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LIVE "ASK THE EXPERTS" WEBINAR DATES TO BE ANNOUNCED VIA THE COURSE LEARNING PORTAL

Questions? Contact the Geotechnical Center of Excellence: gce@arizona.edu