



THE UNIVERSITY OF ARIZONA

School of Mining
& Mineral Resources

Professional Development and Continuing Education for the Mining & Mineral Resources Workforce

Scan the code to learn more and to register for any course.



GEOTECHNICAL

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GEOTECHNICAL RADAR MONITORING

is a 14-week professional development course to help geotechnical professionals better understand data, use radar effectively, and gain perspective through real-world case studies. **2024 course launches February 13th.**

SLOPE PERFORMANCE MONITORING

is a 14-week professional development course with pre-recorded content based on the LOP Project's *Guidelines for Slope Performance Monitoring*. This course covers slope performance monitoring, system design, and data analysis, including case studies of slope monitoring challenges. **2024 course launches April 9th.**

WATER IN MINE OPERATIONS AND SLOPE STABILITY

is a 15-week professional development course based on the LOP Project's *Guidelines for Evaluating Water in Pit Slope Stability*, and includes additional and updated material and case studies. **2024 course launches June 4th.**

STRUCTURAL GEOLOGY FOR GEOTECHNICAL PROFESSIONALS

is a 12-week professional development course with pre-recorded content. From fundamentals to modeling and validation, this course is designed to support the geotechnical engineer's understanding of structural geology in mining. **2024 course launches August 6th.**



ECONOMIC GEOLOGY

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STRUCTURAL GEOLOGY FOR EXPLORATION & MINE GEOLOGISTS | **FORMAT: lecture, laboratory, & field course**

Learn how structural geology impacts mineral production, development, and exploration.

ORE DEPOSITS MAPPING | **FORMAT: 10-day field course**

Learn how mapping is used in mineral zoning, time-space relations, and fundamental phase equilibria in this advanced field course.

LOWELL PROGRAMS ON ORE DEPOSIT TYPES | **FORMAT: lecture, laboratory, and field course**

This intensive 9-day course was designed for members of the industry and graduate students. Learn about the lithologic, structural, and geochemical characteristics of selected major ore deposit types. Program topics are updated regularly.

METALLURGICAL INPUTS TO INTEGRATED PLANNING | **FORMAT: in-person or online (self-guided)**

Metallurgical Inputs to Integrated Planning is designed for junior- to mid-level geologists, metallurgists, and other mineral resource industry professionals. Topics include comminution, separation, pyrometallurgical processing, leaching, solvent extraction, and electrowinning, and how to communicate effectively with metallurgists.



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MINING LAW

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The Global Mining Law program provides training to both lawyers and non-lawyers, including certificate courses for those involved in mining-related work like executives, lawyers, managers, engineers, and government officials. Participation in courses of the Global Mining Law Program requires enrollment as a non-degree seeking student.

INTRODUCTION TO LEGAL SYSTEMS | FORMAT: open-enrollment, self-paced

A high level overview of basic legal terms and concepts for those without prior legal training. Provides the vocabulary of law necessary to understand core legal concepts that will serve as valuable building blocks for other mining-related law PD.

MINING LAW AND POLICY CONCENTRATION - MASTER OF LEGAL STUDIES | FORMAT: online

University of Arizona Law's Master of Legal Studies (MLS) fully online degree with a concentration in Mining Law and Policy introduces lawyers and mining professionals to the range of legal issues that arise in the acquisition of mineral properties and the related financing, mining and environmental considerations faced by the modern mining industry.



MINER HEALTH & SAFETY

scan the QR code to learn more

INCIDENT COMMAND, ESCAPE & RESCUE WORKSHOP | FORMAT: 8-hour in-person workshop

This short course focuses on emergency preparedness training for miners to improve resilience and support self-escape knowledge.

SHARING CRITICAL CONTROLS WORKSHOP | FORMAT: half-day workshop, online or in-person

This course shares information on how to prevent MUEs (Material Unwanted Events). Tutorials on critical controls are presented.

MINING INSTITUTE FOR SUPERVISOR LEADERSHIP | FORMAT: 3-day workshop, online or in-person

This leadership institute provides mentorship in a mining-specific setting. It covers hazards recognition and mitigation, law and policy, miner physical and mental health, soft skills, and more.

SERIOUS GAMES TRAINING WORKSHOP | FORMAT: half-day in-person workshop

Teaches trainers how to employ computer-based serious games for training miners on topics like workplace examinations, hazard recognition and elimination, and miner competency.

HIGHER LEVEL TRAINING CLINIC | FORMAT: 3-day in-person workshop

Participants learn how to train miners through applying established theories of adult learning like competency-based instruction, active learning, assessment development, and engagement strategies.

INSTRUCTIONAL DESIGN CERTIFICATE PROGRAM | FORMAT: Three, 13-week online courses

Trains students to become instructional design leaders as it applies to miner training using a systematic and reflective process to translate learning theory into usable tools and lessons.