THOROUGHBRED DRILL AND BLAST CONSULTANTS

HANDS-ON UNDERGROUND DRILL AND BLAST TRAINING

Improve your underground blasting and design skills through hands-on experiential learning!

CLASSROOM TOPICS

- Underground explosives and performance characteristics
- Foundational underground blasting concepts
- Underground blast design calculations
- Development blasting overview and design methodologies
- Longhole blasting overview and design methodologies
- Raise, slot, and ore pass design
- Underground delay timing and sequencing
- Geologic considerations
- Perimeter control
- Overbreak, underbreak, dilution, and recovery
- Troubleshooting and continuous improvement

HANDS-ON ACTIVITIES

- Group desktop exercises on multiple classroom topics
- Hands-on activities in the Rolla underground experimental mine, including:
  - Sympathetic detonation and deadpressing
  - Detonator accuracy and spray pattern
  - Impact of stemming on face movement and optimum timing
  - Full development round design, instrumentation, and data analysis

COURSE INFORMATION

- Dates: July 15 - 18, 2024
- Location: Missouri S&T Experimental Mine and Mine Building, 12350 Spencer Rd, Rolla, MO 65401
- Hotel: Room block TBD

ENROLL TODAY!

Contact Nathan Rouse at:

+1.859.221.8797
nathan@tbredblast.com
www.tbredblast.com/training

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MEET YOUR INSTRUCTORS

Dr. Paul Worsey
President
Worsey & Associates

Dr. Nathan Rouse
President
Thoroughbred Drill and Blast Consultants

Dr. Kyle Perry
Associate Professor
Missouri S&T

Rob Bush
Consultant
Thoroughbred Drill and Blast Consultants

REGISTRATION INFORMATION

REGISTER NOW!

- Register at tbredblast.com/training
- Early Bird Discount: 10%
- Course Fee: US$3000
- Fees include training materials, materials for hands-on activities, lunch each day, a Brazilian-style BBQ dinner, and other activities.

ADDITIONAL INFORMATION

- The training course will take place over four days. Each day will consist of four hours of classroom training and four hours of hands-on field training. The field training will demonstrate concepts discussed in the classroom. Classroom topics will also be reinforced with group activities in the classroom.

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