

MNE 205: Introduction to MINING ENGINEERING



An exciting introduction to a rewarding career in mining!



THE UNIVERSITY OF ARIZONA
COLLEGE OF ENGINEERING

Mining & Geological
Engineering

Course Description:

This first course for mining engineering majors provides an overview of the mine life cycle from exploration to reclamation and post mining use; mining equipment; unit operations, such as blasting and ventilation; waste management and recycling; health and safety, and; principles of sustainability. The class includes case studies and data analytics, and will be held on the Chandler-Gilbert Community College campus.

Topics Covered:

- Design of underground and surface mines
- Application of automation and AI in mining
- How to quantify an ore deposit
- Assessment of various underground and surface mining methods
- Calculation cost and assessing feasibility of mines
- Explosives use and blast design
- Application of sustainability principles to mine design and operation
- Principles of mineral processing
- Selection of mining equipment for various methods and commodities
- Management of mine waste and tailings

Ready to start your journey in mining engineering?
Enroll now in MNE 205!

Questions? Contact **Fanny Silvestri** at fanny.silvestri@cgc.edu or visit mining.arizona.edu/mne-205-introduction-mining-engineering

This Course Features:

- Mine field trip
- Trip to the UArizona underground experimental mine
- Use of industry data sets
- Guest speakers
- Global case studies



CLASSES
HELD AT



CHANDLER-GILBERT
COMMUNITY COLLEGE

A MARICOPA COMMUNITY COLLEGE

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