

Day 2.

Module 3, Pit and phase design

- Use ultimate pit shell results to guide the mine design process
- Select design parameters such as: mineable width, ramp width and grade, bench and slope geometries
- Select working phase design parameters such as, ore and waste production rate, min/max phase width, slope angles, D&B design and OC, etc.
- Develop incremental phase designs using incremental techniques
- Reconcile final phase designs to original assumptions

Module 4, Scheduling a plan

- Constraints: plant and equipment production capacities, tailings, leach pad or stockpile rate and total capacities, metal targets, sinking rate limit, permit requirements
- Internal, break-even, and operational cutoff grade analyses
- Prepare waste rock and stockpile designs and haul road network
- Calculate equipment requirements
- Prepare production schedule
- **Long, medium and short-range planning needs:**
 - Plan for Safety
 - Appropriate period selection to align with schedule use
 - Use long term, current or case specific cost assumptions
 - May incorporate blast hole assay data
 - Identify maintenance cycle(s)

Break for lunch, 12:00 to 1:00

Module 5, Reporting Resources and Reserves

- Reporting Guidelines
- Resource & Reserve Class Estimation Methods
- Life of Mine Forecast Models
- Cost Assumptions
- Commodity Price Assumptions
- Other considerations

Activity 2 Project evaluation and selection by various KPIs

Module 6, Options and Alternatives to a Mining Project

- Underground
- Alternative processes
- Reconciliations
- Project expansion, debottleneck, etc.

Conclusion and exit survey