

## SHORT COURSE

# Heap Leaching and its Application to Copper, Gold, Uranium and Nickel Ores



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**Notes**

## OUTLINE

- Introduction
- Basics
- Typical Flowsheets
- Leach Pad Design and Construction
- Heap Building Methods
- Leach Solution Management
- Operation and Control
- Cold and Wet Climate Operation
- Application to Copper Ores
- Role of Bacteria
- Copper Heap Leach Design Criteria
- Application to Gold Ores
- Application to Uranium Ores
- Application to Nickel Ores
- Alternative Methods of Re-Oxidizing Ferrous Iron to Ferric
- Testwork and Scale-Up
- Industry trends

Notes