

MIME 652. AQUEOUS PROCESSING.

Credits: 3

Offered by: Mining & Materials Engineering (Graduate Studies)

This course is not offered this catalogue year.

Description

Advanced treatment of the chemical and engineering principles governing aqueous dissolution, purification and deposition operations. Topics include: ionic activities of dilute and concentrated solutions; solution and solid-liquid equilibria; analysis of complexation and redox reactions; high temperature solution thermodynamic kinetics; solvent extraction, equilibria and mass transfer kinetics; nucleation, growth and agglomeration phenomena in aqueous precipitation systems.

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