MIME 650N1. ADVANCED EXTRACTIVE METALLURGY 1.

Credits: 3

Offered by: Mining & Materials Engineering (Graduate Studies)

This course is not offered this catalogue year.

Description

Metallurgical applications of heat, mass and momentum transfer theories. Particular emphasis is placed on the applications of computational fluid dynamics and development of appropriate software programs. These are based on the integral control volume, finite difference approach, employing body-fitted co-ordinate schemes to handle arbitrarily shaped flow domains. Turbulence models such as K-E and large eddy simulation are presented.

- Students must also register for MIME 650N2.
- No credit will be given for this course unless both MIME 650N1 and MIME 650N2 are successfully completed in a twelve month period.