

MIME 350. EXTRACTIVE METALLURGICAL ENGINEERING.

Credits: 3

Offered by: Mining & Materials Engineering (Faculty of Engineering)

Terms offered: Summer 2025

View offerings for Summer 2025 in Visual Schedule Builder.

Description

Principle non-ferrous base-metal pyrometallurgical extraction processes, relevant thermodynamics, heat and mass balances, transport phenomena (copper, nickel, lead, zinc, aluminum, magnesium). Ores, gangue, fuels, slag, fluxes, recovery, refining, minor elements, byproducts and the environment. Roasting, drying, smelting, converting, reverberatory furnaces, flash furnaces, continuous and batch operations, injection practices and oxygen enrichment. Simulation, modelling, control and optimization.

- This course in the Faculty of Engineering is open only to McGill students.
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- (3-1-5)
- Prerequisites: MIME 200 or MIME 250, MIME 212
- **Due to the St. Jean and Canada Day holidays, there will be make up classes on Thursday, June 15th and Monday, July 3rd.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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