

MIME 456. STEELMAKING AND STEEL PROCESSING.

Credits: 3

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

Terms offered: Winter 2026

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Description

The production and refining of liquid iron in the iron blast furnace, the production and refining of liquid steel, secondary refining operations, continuous casting and thermomechanical processing (hot rolling). Specialty steels and newly emerging technologies (e.g. thin slab casting, direct ironmaking) are also discussed in terms of process/environment and productivity. "Downstream" topics will include cold rolling, batch and continuous annealing, and coating operations.

- (3-1-5)
- Prerequisite: (MIME 260 or MIME 261 or CHEE 380) and (MIME356 or MECH 346 or CHEE 315) or permission of the instructor.

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