

# MIME 569. ELECTRON BEAM ANALYSIS OF MATERIALS.

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Credits: 3

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

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

## Description

Emphasis on operation of scanning and transmission electron microscopes. Topics covered are electron/specimen interactions, hardware description; image contrast description; qualitative and quantitative (ZAF) x-ray analysis; electron diffraction pattern analysis.

- (2-3-4)
- Prerequisite: MIME 317

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