

# MIME 419. SURFACE MINING.

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Credits: 3

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

Terms offered: Summer 2025

View offerings for Summer 2025 in Visual Schedule Builder.

## Description

Choice of a surface mining method. Analysis of soil and rock mass properties related to surface mining. Calculation and monitoring of stripping ratios, ultimate pit depth, slope stability, rock reinforcement, bench and berm dimensioning and ramp design. Loading and hauling systems. Surface layout and development. Water drainage systems. Production and cost analysis. Computerized design techniques.

- (3-3-3)
- Prerequisite (Undergraduate): MIME 322, MIME 333 and MIME 325
- \*\*Regular schedule May 10, 2021, to June 21, 2021
- \*\*Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
- \*Although this course follows a Monday/Wednesday class schedule pattern, there will be a lecture on Friday, May 26th.
- \*\*This course will be held on July 15, 17, 19, 22, 24, 26, 29, 31, August 5, 7, 12, 14, 19 and 21st.

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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