

MIME 525. STOCHASTIC OREBODY MODELLING.

Credits: 3

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

Terms offered: Fall 2025

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

Description

Uncertainty in modelling orebodies. Conventional modelling methods. Ore reserve estimation and risk. Geostatistical basics. Sequential simulation methods. Fast and efficient simulation of large orebodies. Simulation of multi-element deposits. Simulation of geology. Geometallurgical modelling. Integration and effects on mine planning and financial evaluation. Drilling optimization; reserve classification; grade control. Practical applications.

- (3-3-3)
- Prerequisite: Permission of instructor
- Not open to students who have taken MIME 425.

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