MIME 635. FINITE ELEMENT METHOD - ROCK MECHANICS.

Credits: 4

Offered by: Mining & Materials Engineering (Graduate Studies)

Terms offered: Winter 2026

View offerings for Winter 2026 in Visual Schedule Builder.

Description

Overview of numerical methods; elasticity relations; element assembly process; formulative procedures; planar elements; convergence and accuracy; isoparametric formulation; rock joint and rock support elements; dynamic analysis; material and geometric nonlinearities. XFEM. Applications in mining and geotechnical engineering.

  · Prerequisites: MIME 521 and/or permission of instructor

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