## MIME 356. HEAT, MASS AND FLUID FLOW.

Credits: 4

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

This course is not offered this catalogue year.

## Description

Fluid statics and dynamics. Newton's laws of viscosity and motion, control volume analyses. Navier Stokes, Euler. Bemoulli and Steady Flow Energy Equations. turbulence and Reynolds stress equations. Molecular conduction/diffusion processes in heat and mass transfer). Convective flows. Transport coefficients in slags, metals and gases. Radiative heat transfer. Transient/steady state flow.

- Prerequisites: MIME 212, MATH 261 or MATH 263.
- · (4-2-6)
- Prerequisites: MIME 212

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