EPSC 503. ADVANCED STRUCTURAL GEOLOGY.

Credits: 3

Offered by: Earth & Planetary Sciences (Faculty of Science)

This course is not offered this catalogue year.

Description

The fundamental concepts of stress, strain and deformation mechanisms in rocks are explored. Topics include, but are not restricted to, theory of continuum mechanics, brittle deformation, intracrystalline deformation, and frictional sliding. Deformation structures are studied in the field and/or using petrographic and micro-analytical methods to link the theory to natural systems. Problem solving through effective use of field and laboratory data and observations is integrated throughout, with emphasis on basic numerical methods developed in Matlab .

- Prerequisite: EPSC 303 or permission of instructor