

EPSC 522. ADVANCED ENVIRONMENTAL

Credits: 3

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

This course is not offered this catalogue year.

Description

Traditional and emerging theories of dominant runoff generation processes. Streamflow generation. Surface and near-surface solute and contaminant transport. Concentration-discharge relationships. Geochemical mixing models. Dyes and biological tracers of water. Isotope ecohydrology. Water source and water age estimation approaches. Development, execution, and evaluation of process-based watershed models. Case studies from forested, agricultural and periurban watersheds.

- Prerequisites: BREE 217, BREE 509, EPSC 549 or GEOG 322, or permission of the instructor.
- Restrictions: Not open to students who have taken or are taking GEOG 522.

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