

# GEOG 207

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**GEOG 207 Hydrology and Soils**

3 Credits

This course examines hydrological processes and their relationships to ecosystem structures, soils and watersheds. Lectures, labs and fieldwork will emphasize the impacts of natural processes, management and disturbance upon the hydrological balance and the characteristic reactions and properties of specific soil types to disturbance and hydrological changes. Analysis of flooding and erosion and how to measure and estimate stream flow is examined in some detail. Labs will also contain a field component that may include both snowpack measurements and stream flow surveys within local drainage basins. Explore the world of hydrology and its vital role in shaping ecosystems, soils, and watersheds. This hands-on course integrates lectures, interactive labs, and immersive fieldwork to explore how natural processes, human activities, and environmental disturbances affect water movement and ecosystem balance. Learners will gain practical skills in analyzing flooding, erosion, and stream flow, with a focus on real-world applications. Field-based labs may include snowpack assessments and stream flow measurements in a local watershed, providing a valuable opportunity to apply concepts and techniques in a natural setting. This course is ideal for individuals who are passionate about water resources, environmental science, or sustainable land management.

**Prerequisites**

GEOG 150 or GEOG 160 or GEOL 157, GEOG 150 or GEOG 160 or  
GEOL 157 (with minimum C)

**Transfer Credits**

Explore transfer credit opportunities by visiting the BC Transfer Guide (<http://www.bctransferguide.ca>)

