

Winter 2022 semester

UNBC Environmental Science Courses

ENSC 201 Weather and Climate (*Islam*)

This course explains the fundamental processes of weather and climate, and leads the student toward an understanding of how the atmosphere works and how to interpret the weather.

ENSC 250 Introduction to Environmental Data Analysis (*Wolf*)

This course introduces the principles and practice of developing computer programs to analyze and visualize environmental data. Example datasets and problems from the geophysical and environmental sciences provide working examples.

ENSC 404/604 Waste Management (*Rutherford*)

This course introduces environmental, technical and political aspects of non-hazardous and hazardous wastes. Topics include sources, evaluative methods, risk assessment, treatment, disposal, and current legal and management requirements.

ENSC 406/607 Environmental Modelling (*Li*)

This course provides an understanding of the physical, chemical and biological processes that govern contaminant transport and fate in environmental media.

ENSC 435/635 Soil Biological Processes & the Environment (*Rutherford*)

This course provides an overview of the soil habitat from a biological perspective and how soil organisms and the processes they mediate play critical roles in a sustainable planet.

ENSC 440 Internship

The internship provides students with the opportunity to gain hands-on experience with industry, academia, government or non-governmental organizations. Projects normally last 3 to 4 months and involve research or other relevant activities.

ENSC 452/652 Reclamation and Remediation (*Burton*)

This course takes an integrative approach to the remediation and reclamation of drastically disturbed environments. Understanding behavior, fate and transport of contaminants is used to place remediation within the context of use-specific risk reduction. Societal involvement is explored as a guide to acceptable choices of goals and options.

ENSC 454/654 Snow and Ice (*Déry /Islam*)

This course focuses on the physical processes involving snow and ice that influence the hydrometeorology of Northern British Columbia and the rest of Canada including: snowpack, permafrost, lake, river and sea ice, and glacier formation and ablation processes; the characteristics of snow and ice and how they evolve with climate change.

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Questions about Environmental Science courses?

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