

ECOLOGY AND CONSERVATION OF COASTAL BC (3)

Class Number: 3983 Delivery Method: In Person

COURSE TIMES + LOCATION:

Tu 2:30 PM – 4:20 PM
WMC 2220, Burnaby

INSTRUCTOR:

Jonathan Moore
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PREREQUISITES:

60 units.

Description

CALENDAR DESCRIPTION:

Investigates the ecosystems and environmental challenges of coastal British Columbia. Examines the major flora and fauna, fundamental ecological principles, anthropogenic drivers of change, and the role of applied science in conservation and management.

COURSE DETAILS:

This course will examine the ecosystems and environmental challenges of coastal BC as well as general concepts and topics in conservation ecology. This course will be organized by tracking the fate of a molecule of water that falls in the coastal mountains and makes its way across the range of ecosystems from mountains to freshwater through to the ocean.

COURSE-LEVEL EDUCATIONAL GOALS:

Students are expected to achieve the following learning objectives upon successful completion of the course:

- Identify and describe life-cycle of some local plants and animals.
- Construct scientific hypothesis and design project to address hypothesis.
- Discuss major management challenges for coastal ecosystems.
- Explain how science can guide management or conservation challenges.

Grading

Exams	40%
Assignments	60%

Materials

REQUIRED READING:

Class readings will be historic and current scientific articles. Papers available as pdfs on the website.

REGISTRAR NOTES:

SFU's Academic Integrity web site <http://students.sfu.ca/academicintegrity.html> is filled with information on what is meant by academic dishonesty, where you can find resources to help with your studies and the consequences of cheating. Check out the site for more information and videos that help explain the issues in plain English.

Each student is responsible for his or her conduct as it affects the University community. Academic dishonesty, in whatever form, is ultimately destructive of the values of the University. Furthermore, it is unfair and discouraging to the majority of students who pursue their studies honestly. Scholarly integrity is required of all members of the University. <http://www.sfu.ca/policies/gazette/student/s10-01.html>

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