

**Faculty:** Gerardo Chin-Leo, Ph.D. and Paul Przybylowicz, Ph.D.

**Description**

The Pacific Northwest contains a wide variety of ecosystems that include alpine glaciated peaks, temperate rainforests, the Puget Sound, and exposed rocky intertidal zones. This creates an ideal opportunity to compare and contrast the ecology of a number of diverse ecosystems and organisms therein.

This introductory program will study the ecology and biological diversity of major habitats in the Pacific Northwest. We will explore aquatic habitats including estuaries, tide marshes and the outer shore as well as terrestrial habitats such forests, coastal dunes and prairies. There will be lab and field work to develop microscopy skills and field sampling methods. A multi-day field trip will provide an opportunity to survey various ecosystems and to conduct fieldwork. Seminar will explore the conflicts associated with conservation and exploitation of natural resources in the Pacific Northwest. Group and independent research projects will apply knowledge and skills developed in lectures, labs and field work.

**Schedule**

**TUE** 9-noon **Lecture** Purce Hall 7  
1-3 PM **Seminar** Purce Hall 7 or Purce Hall 8  
**WED** 9-noon **Lecture** Purce Hall 2  
**THU** 9 - 4 PM **Lab or Field**, Lab 1 3046  
**FRI** 9 -noon **Computer Lab** Evans Hall, 2612 & 2617 or **Workshop** Purce Hall 7  
**Week-long field trip**, Week 8 May 18-23 to La Push, WA

**Books**

*Marine Biology*. Castro and Huber. McGraw Hill. (12<sup>th</sup> edition is latest). OK to purchase back to 8<sup>th</sup> edition. ISBN10:1266571531 (12<sup>th</sup> Ed)

*Northwest Trees: Identifying and understanding the region's native trees*. Arno. The Mountaineer Books. ISBN 978-15-9485041-7). 2007

*Plants of the Pacific Northwest Coast*. Pojar and MacKinnon. Partners Publishing. 2004. ISBN: 978-1772130089

*Mountain in the Clouds*. Brown. University of Washington Press. 1995. 9780295974750

*The Final Forest: Big trees, forks, and the Pacific Northwest*. Dietrich. University of Washington Press. 2010. ISBN: 978-0-295-99062-0

*Native Peoples of the Olympic Peninsula: Who we are*. 2<sup>nd</sup> edition. Wary and Murray. University of Oklahoma Press. 2015. ISBN: 978-0-861-4670-6

*Shell Games: A true story of cops, con men, and the smuggling of America's strangest wildlife*. Welch, C. Harper Perennial. 2011. ISBN: 978-0-06-153714-1

**Fees**

\$500 fee covers an overnight field trip , including lodging and transportation (\$450) and kayak trip, and required lab fee (\$50).

**Anticipated Credit Equivalencies:**

6 - Introductory Marine Ecology, 6 - Introductory Forest Ecology, 4 - Natural History of PNW

**Registration**

Course Reference Numbers (16): 30102