Duvall Professional Development
2016-2017

Sandy Neps

Naturalist Certification
The program provides an overview of natural history of the Klamath-Siskiyou region, to gain an understanding of the region’s unique organisms and ecological processes.

Program requires 50 hours of coursework plus additional reading and assignments.
Delving into the Lichen Genus Cladonia
April 11 and 12th

• Learn how to key *Cladonia* and identify those found on local field trips.

• Test specimens with chemical spotting and learn how to interpret the results.
A Kalmiopsis Exploration
April 22\textsuperscript{nd}

- Observe and learn about endemic plants in the area and their serpentine habitat.

- Learn about the birds and botanical history of the Kalmiopsis area.

http://kalmiopsiswild.org/kalmiopsis-wilderness/
A Serpentine Short Course
April 29th

• Gain an overview of serpentine ecology and geologic history.

• Observe how the region’s concentration of ultramafic rocks and unique serpentine soils impacts plants, fungi, animals and microbes.

http://www.thesfi.org/Page.asp?NavID=963
Frontal Watersheds of the Coast Range
May 14th

- Explore the physical, biological, and historical aspects of the southern Oregon Wild Rivers coast.

- Discuss local issues, conflicts and attitudes influencing the current and future uses of natural resources by wildlife, coastal tribes and communities.

http://www.oregonwild.org/forests/learn-about-oregons-forests/rogue-river-siskiyou-national-forest
Coastal Marine Life
June 25th

- Explore the habitats and organisms found along Curry County’s wild rivers coast.

- Observe local ocean animals, plants, environments, and issues.

- Become acquainted with the physical, biological and oceanographic processes influencing life in this region.

- Discuss uses of these marine resources by wildlife, coastal tribes, and communities throughout time.
Geologic Tour of the Newer Siskiyous
August 19-20th

- Observe the unaltered rocks, fossils and other features of the last 100 million years.

- Observe the effects of the last great collision with a micro–continent and how it twisted the Siskiyous to the unusual orientation seen now.

http://thesfi.org/page.asp?navid=711
Intro to Coastal Flora and Fauna, Pelagic Birds and Marine Mammals
August 25-27th

• Introduction to marine organisms offshore of the Coos Bay and Cape Arago region.

• Use several scientific tools to examine marine biodiversity in the field and laboratory.

• Survey local species and the ecological and oceanographic processes influencing them.

• Discuss uses of marine resources by local communities, coastal tribes, and wildlife.

http://pelagicbirdingusa.weebly.com/pelagic-birds.html
My Teaching at PCC

On-going
BI 112 Cell Biology for Health Occupations
BI 121, 122 Introduction to Anatomy and Physiology
BI 231-233 Human Anatomy and Physiology

New Additions
BI 141 Habitats: Life of the Forest

Future possibilities
BI 160 Ecology/Field Biology: Coast*
BI 161 Ecology/Field Biology: Great Basin*
BI 200 Principles of Ecology: Field Biology*
BI 164 Bird ID and Ecology
BI 142 Habitats: Marine Biology
THANK YOU!