Gorge to Shore
Summer Session 2004

Required Texts

Alt, D.D and Hyndman, D.W. (1978) Roadside Geology of Oregon. Mountain Press Publishing Company. Missoula, MT.

Schultz , S.T. (1990) The Northwest Coast – A Natural History. Timber Press, Inc.

Additional References (Geology)

Beeson, M.H. and Tolan, T.L. (1987) Columbia River Gorge: The geologic evolution of the Columbia River in northwestern Oregon and southwestern Washington. In Hill, M.L., Ed., The Decade of North American Geology Centennial Field Guide, Volume 1 – Cordilleran Section of the Geological Society of America. Geological Society of America, p. 321-326.

Benito, G. and O'Connor, J.E. (2003) Number and size of last-glacial Missoula floods in the Columbia River valley between the Pasco Basin, Washington, and Portland, Oregon. Geological Society of America Bulletin, v. 115, p. 624-638.

Bishop, E.M. (2003) In Search of Ancient Oregon: A Geological and Natural History. Timber Press, Inc., Portland, OR.

Bishop, E.M. (2004) Hiking Oregon's Geology. The Mountaineers Books. Seattle, WA.

Kelsey, H.M., Ticknor, R.L., Bockheim, J.G. and Mitchell, C.E. (1996) Quaternary upper plate deformation in coastal Oregon. Geological Society of America Bulletin, v. 108, p. 843-860.

Kelsey, H.M., Witter, R.C. and Hemphill-Haley, E. (2002) Plate-boundary earthquakes and tsunamis of the past 5500 yr, Sixes River estuary, southern Oregon. Geological Society of America Bulletin, v. 114, p. 298-314.

Komar, P.D. (1997) The Pacific Northwest coast: Living with the shores of Oregon and Washington. Duke University Press.

Nelson, A.R., Jennings, A.E., Kashima, K. (1996) An earthquake history derived from stratigraphic and microfossil evidence of relative sea-level change at Coos Bay, southern coastal Oregon. Geological Society of America Bulletin, v. 108, p, 141-154.

Oles, K.F., Johnson, J.G., Niem, A.R. and Niem, W., Editors (1980) Geologic Field Trips in Western Oregon and Southwestern Washington. Geological Society of America Cordilleran Section Meeting. Department of Geology and Mineral Industries, State of Oregon, Bulletin 101.

Orr, E.L. and Orr, W.N. (2002) Geology of the Pacific Northwest. Waveland Press, Inc., Long Grove, IL.

Orr, E.L., Orr, W.N. and Baldwin, E.M. (1992) Geology of Oregon. Kendall Hunt Publishing Company. Dubuque, IA.

Scott, W.E., Gardner, C.A., Sherrod, D.R., Tilling, R.I., Lanphere, M.A., and Conrey, R.M. (1997) Geologic History of Mount Hood Volcano, Oregon – A Field-Trip Guidebook. U.S.G.S. Open-File Report 97-263.

Snavely, P.D. (1987) Depoe Bay, Oregon. Geological Society of America Centennial Field Guide – Cordillera Section, p. 307-310.
Suchanek, R. (1974) The Columbia River Gorge: The story of the river and the rocks. The Ore Bin, v. 36, No. 12. State of Oregon Department of Geology and Mineral Industries. http://www.oregongeology.org/pubs/OG/OBv36n12.pdf
Tolan, T. L., Beeson, M. H., and Vogt, B. F. (1984) Exploring the Neogene history of the Columbia River: Discussion and geologic field trip guide to the Columbia River Gorge; Part 1, Discussion: Oregon Geology, v. 46, no. 8, p. 87-97.
Tolan, T. L., Beeson, M. H., and Vogt, B. F. (1984) Exploring the Neogene history of the Columbia River; discussion and geologic field trip guide to the Columbia River Gorge; Part II, Road log and comments: Oregon Geology, v. 46, no. 9, p. 103-112.
Waters, A.C. (1973) The Columbia River Gorge: Basalt stratigraphy, ancient lava dams and landslide dams. In Beaulieu, J.D., Ed., Geologic field trips in northern Oregon and southern Washington: Oregon Department of Geology and Mineral Industries Bulletin 77, p. 133-162.
Witter, R.C., Kelsey, H.M., Hemphill-Haley, E. (2003) Great Cascadia earthquakes and tsunamis of the past 6700 years, Coquille River estuary, southern coastal Oregon. Geological Society of America Bulletin v. 115, p. 1289-1306.

Additional References (Biology)

Coleman, R.G. and Kruckeberg, A.R. (1999) Geology and plant life of the Klamath-Siskiyou Mountain region. Natural Areas Journal, v. 19, p. 320-340.
Jules, E.S., Kauffman, M.J., Ritts, W.D. and Carroll, A.L. (2002) Spread of an invasive pathogen over a variable landscape: A nonnative root rot on Port Orford cedar. Ecology, v. 83, p. 3167-3181.

Other Field Guides

A field trip guidebook by Dr. Scott Burns, Portland State University) is available for purchase through the Pacific Northwest Section of the NAGT (Geologic History of the Lower Columbia River Gorge)
http://serc.carleton.edu/nagt/organization/northwest/guidebooks.html

A field trip guidebook by Ron Metzger, Southwest Oregon Community College, is available for purchase through the Pacific Northwest Section of the NAGT (Geology of the Southwest Oregon Coast)
http://serc.carleton.edu/nagt/organization/northwest/guidebooks.html

Oregon Coast geological field trip, Portland Community College,
http://spot.pcc.edu/~mhutson/coast_stan/fieldtrip.html

Maps

Geology of the Pacific Northwest Physiographic Provinces map – Cartography by Frank D. Granshwaw - http://spot.pcc.edu/~fgransha/G207/geomap.pdf

Mt. Hood Maps and Information

U.S.G.S. Cascade Volcano Observatory information - http://vulcan.wr.usgs.gov/Volcanoes/Hood/framework.html

Other Web Resources

Strickler, M.D. A layperson's guide to the Josephine Ophiolite and associated volcanic arc materials, Josephine County, Oregon and Del Norte County, California. http://jersey.uoregon.edu/~mstrick/GeoTours/Josephine%20Ophiolite/JoOphiolite.html

Geologic Field Trip Guides and Recreational Geology Articles in Oregon Geology Magazine - http://www.oregongeology.org/sub/pub&data/GeoTripGuides.htm