Heather Kokorowski
Los Angeles Pierce College
Physics and Planetary Sciences Department

INTERESTS AND OBJECTIVES

I am passionate about community college teaching where I can teach and mentor students with very diverse backgrounds and wide-ranging academic goals and career paths. My teaching expertise lies in physical oceanography and geology. In the classroom, I encourage active learning and strive to relate course content to students' lives. I use innovative pedagogy and new technologies to engage and retain a diverse student body. Additionally, I have a passion for effective online course design, using best practices in online teaching, and for ensuring that all of my courses are fully accessible to all students, regardless of any impairment, disability, or learning challenge.

EDUCATION

University of Washington Seattle, Washington	M.S. in Geological Sciences, 2007 Master's Thesis: Oxygen isotopes recorded in lacustrine diatoms from southwestern Greenland: First results based on a laser fluorination method
University of Washington Seattle, Washington	M.S. in Forest Resources: Ecosystems Analysis, 2004 Master's Thesis: A multi-proxy investigation for the Younger Dryas at Elikchan 4 Lake, northeastern Siberia, and implications for its spatial distribution in Beringia
University of Arizona Tucson, Arizona	B.S. in Ecology and Evolutionary Biology, Honors in Geosciences, 1999 Honor's Thesis: A paleolimnological study of lacustrine-deltaic sediments at Lake Tanganyika, Africa: Implications for the effects of human habitation Phi Beta Kappa National Honor's Society, 1996-1999

EXPERIENCE

Assistant Professor, Earth Science, Physics and Planetary Sciences Department, Pierce College (2016-present). Full-time faculty instructor for *Oceanography Lecture*, online *Oceanography Lecture*, *Oceanography Lab*, online *Oceanography Lab,* and *Geology Lecture*.

Freelance Contributing Content Developer and Reviewer, Geology and Geography Division, Pearson (2015-present). *Ongoing projects:* writing and reviewing content for the "Mastering Oceanography" accompaniment for the 12th and 13th editions of *Essentials of Oceanography* by Trujillo and Thurman and the "Mastering Geology" accompaniment for the 13th edition of *Foundations of Earth Science* by Lutgens and Tarbuck.

Full-Time Faculty, Earth Science and Astronomy Department, Mt. San Antonio College (2012-2014). Instructor for *Oceanography Lecture*, hybrid *Oceanography Lecture*, *Oceanography Lab* and *Earth Science Lecture*.

Adjunct Faculty, Geology Department, Pasadena City College (2008-2012 & 2014). Instructor for *Physical Geology*, online *Physical Geography*, *Physical Oceanography*, online *Physical Oceanography*.

Adjunct Faculty, Environmental Science Department, Seattle University (2008). Instructor for *Introduction to Geology*.

Adjunct Faculty, Geology Department, Bellevue College (2008). Instructor for *Introduction to Physical Geology*.

Adjunct Faculty, Earth Science Department, Cascadia College (2007-2008). Instructor for *Introduction to Geological Sciences* and *Evolution of Earth Systems*.

Geology Field Assistant, Earth and Environmental Science Department, Seattle Central College (2007). Field Assistant for *Introductory Field Geology*.

Teaching Assistant, Earth and Space Science Department, University of Washington (2005-2007). Teaching Assistant for *Introduction to Geological Sciences Lab*, *Introduction to Geological Remote Sensing*, *Geochemistry* and *Fluvial Geomorphology*.

Adjunct Faculty, Geology Department, Highline College (2006). Instructor for *Environmental Geology*.

Research Assistant, Earth and Space Science Department, University of Washington (2001-2006). Prepared pollen concentrates from bulk lake sediment for AMS ^{14}C dating. Worked in Thule, northwestern Greenland, to assess high arctic biocomplexity issues. Duties included measuring river discharge, pH, and conductivity, collecting soil water, soil CO_2, precipitation, and snow samples, digging 1 m^3 pits for carbon analysis, mapping, and sampling soil horizons, and planning and executing a 3-week field season near Kangerlussuaq, southwestern Greenland. Worked at Elikchan 4 Lake and the North East Interdisciplinary Science Research Institute in Magadan, northeastern Siberia, to collect lacustrine sediment cores for paleoclimatic reconstructions. Duties included describing and subsampling sediment cores, preparing pollen samples for identification and AMS ^{14}C dating, preparing bulk sediment and macrofossils for AMS ^{14}C dating, and measuring sediment magnetic susceptibility, grain-size, organic and inorganic carbon and biogenic silica content.

Participant in the Nyanza Project, an international research training program sponsored by the Paleoclimate Program, Division of Atmospheric Sciences, of the National Science Foundation (1999). Worked in Tanzania, East Africa to study the biology, limnology, and geology of Lake Tanganyika.

Participant in the Undergraduate Biology Research Program, University of Arizona (Department of Biochemistry 1996-1997 and Department of Geosciences 1997-1999). Subsampled lacustrine sediment cores from Lake Tanganyika, East Africa, measured organic and inorganic carbon content, sieved sediment, identified and described fossil ostracodes. Investigated the uptake of lipids by insect oocytes, conducted gel electrophoresis and density separation of liquids, utilized radioactive markers in biological systems, operated a Scanning Electron Microscope.

SERVICE AND AWARDS

National Association of Geoscience Teachers (2007-present)
Distance Learning Committee, Mt. San Antonio College (2013-2014)
Best Practices in Student Feedback Task Force, Mt. San Antonio College (2013-2014)
Program on Climate Change outreach group, University of Washington (2005-2007)
Departmental Awards Committee, Earth and Space Sciences, University of Washington (2006-2007)
Geological Research Society, University of Washington (Secretary 2006-2007; President 2004-2005)
"Rock"-ing Out, Earth and Space Sciences outreach group, University of Washington (2005-2007)
Marie A. Ferrel Fellowship, University of Washington (2006)
Grant-in-Aid of Research, Sigma Xi, The Scientific Research Society (2006)
Graduate Student Research Grant, Geological Society of America (2006)
Graduate Student Research Award, University of Washington (2005 & 2006)
Phi Beta Kappa National Honor Society (1996-1999)
Undergraduate Biology Research Program, University of Arizona (1996-1999)

PUBLICATIONS

Kokorowski, H.D., Anderson, P.M., Mock, C.J., and Lozhkin, A.V. (2008). A Re-evaluation and spatial analysis of evidence for a Younger Dryas climatic reversal in Beringia. *Quaternary Science Reviews* **27**: 1710-1722.

Kokorowski, H.D., Anderson, P.M., Sletten, R.S., Lozhkin, A.V., and Brown, T.A (2008). Late Glacial and Early Holocene Climatic Changes Based on a Multiproxy Lacustrine Sediment Record From Northeast Siberia. *Arctic, Antarctic, and Alpine Research* **40**(3): 497-505.

Palacios-Fest, M.R., Alin, S.R., Cohen, A.S., Tanner, B., and **Heuser, H.** (2005). Paleolomnological investigations of anthropogenic environmental change in Lake Tanganyika: I.V. Lacustrine Paleoecology. *Journal of Paleolimnology* **34**(1): 51-71.