

Curriculum Vita
Scott A. Mensing

Education

- Ph.D. Geography, University of California, Berkeley, 1993
- M.A. Geography, University of California, Berkeley, 1988
- B.A. Landscape Architecture, University of California, Berkeley, 1977

Employment

- Professor, Dept. of Geography, University of Nevada, Reno, 2008 to present
- Assistant Dean, College of Science, 2009
- Chair, Dept. of Geography, University of Nevada, Reno, 2002 -2008
- Associate Professor, Geography, University of Nevada, Reno 2000 -2008
- Assistant Professor and Director, Geographic Information Systems (GIS) Computing Facility,
Dept. of Geography, University of Nevada, Reno. 1993 to 2000
- Graduate Student Researcher, Lawrence Livermore Laboratory/U.C. Berkeley. 1992-93
- Lecturer, University of California, Berkeley. Summer 1991
- Graduate Student Instructor, University of California, Berkeley. 1987-1992
- Research Associate, Field ecologist, University of California, Riverside. Summer 1989

Honors

- CASE Nevada Professor of the Year - Carnegie Foundation for Advancement of Teaching. 2010
- Nevada System of Higher Education Regents Teaching Award. 2007
- F. Donald Tibbitts Memorial Distinguished Teaching Award, UNR. 2006.
- LeMay Award for Excellence in Teaching, College of Science, UNR. 2005.

Publications

Refereed Journal Articles – Published and in press

- Mensing, S. A., Korfmacher, J., Minkley, T., Musselman, R. A. (under revision) A 15,000 year record of vegetation and climate change from a treeline lake in the Rocky Mountains, Wyoming, USA", „, *The Holocene*
- Mensing, S. A., Smith, J., Allan, M., Norman, K. B. 2008. Extended drought in the Great Basin western North America in the last two millennia reconstructed from pollen records. *Quaternary International* 188. p79-89.
- M. J. Power, J. Marlon, N. Ortiz, P. J. Bartlein, S. P. Harrison, F. E. Mayle, A. Ballouche, R. H. W. Bradshaw, C. Carcaillet, C. Cordova, S. Mooney, P. I. Moreno, I. C. Prentice, K. Thonicke, W. Tinner, C. Whitlock, Y. Zhang, Y. Zhao, A. A. Ali, R. S. Anderson, R. Beer, H. Behling, C. Briles, K. J. Brown, A. Brunelle, M. Bush, P. Camill, G. Q. Chu, J. Clark, D. Colombaroli, S. Connor, A.-L. Daniau, M. Daniels, J. Dodson, E. Doughty, M. E. Edwards, W. Finsinger, D. Foster, J. Frechette, M.-J. Gaillard, D. G. Gavin, E. Gobet, S. Haberle, D. J. Hallett, P. Higuera, G. Hope, S. Horn, J. Inoue, P. Kaltenrieder, L. Kennedy, Z. C. Kong, C. Larsen, C. J. Long, J. Lynch, E. A. Lynch, M. McGlone, S. Meeks, **S. Mensing**, G. Meyer, T. Minckley, J. Mohr, D. M. Nelson, J. New, R. Newnham, R. Noti, W. Oswald, J. Pierce, P. J. H. Richard, C. Rowe, M. F. Sanchez Gofii, B. N. Shuman, H. Takahara, J. Toney, C. Turney, D. H. Urrego-Sanchez, C. Umbanhowar, M. Vandergoes, B. Vanniery, E. Vescovi, M. Walsh, X. Wang, N. Williams, J. Wilmshurst and J. H. Zhang. 2008. Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. *Climate Dynamics*, 30(7-8) p 887-907.
- Biondi, F., Strachan, S., Mensing, S. A., Piovesan, G. 2007. Radiocarbon analysis confirms the annual nature of sagebrush growth rings. *Radiocarbon*, 49(3) p1231-1240.

- Mensing, S. A. The History of Oak Woodlands in California, Part II: The Native American and historic period. 2006. *The California Geographer* **46**, 1-31.
- Mensing, S., Livingston, S., and Barker, P. 2006. Long-term fire history in Great Basin sagebrush reconstructed from macroscopic charcoal in spring sediments, Newark Valley, Nevada. *Western North American Naturalist*. **66**, 64-77..
- Mensing, S. A. 2005. The History of Oak Woodlands in California, Part I: The paleoecologic record. *The California Geographer* **45**, 1-38.
- Mensing, S., Benson, L., Kashgarian, M., and Lund, S. 2004. A Holocene pollen record of persistent droughts from Pyramid Lake, Nevada, USA. *Quaternary Research* **62**, 29-38.
- Benson, L., Linsley, B., Smoot, J., **Mensing, S.**, Lund, S., Stine, S., and Sarna-Wojcicki, A. (2003) Influence of the Pacific Decadal Oscillation (PDO) on the climate of the Sierra Nevada, California and Nevada. *Quaternary Research* **59**, 151-159.
- Benson, L., Kashgarian, M., Rye, R., Lund, S., Paillet, F., Smoot, J., Kester, C., **Mensing, S.**, Meko, D., and Lindstrom, S. (2002). Holocene multidecadal and multicentennial droughts affecting Northern California and Nevada. *Quaternary Science Reviews*, **21**: 659-682.
- Mensing, S. A. (2001) Late Glacial and Early Holocene Vegetation and Climate Change near Owens Lake, Eastern California. *Quaternary Research* **55**, 57-67.
- Mensing, S. A., Elston, R. G. Jr., Raines, G. L., Tausch, R. J., and Nowak, C. L. (2000). A GIS model to predict the location of fossil packrat (*Neotoma*) middens in central Nevada. *Western North American Naturalist* **60**, 111-120.
- Mensing, S. A. and Byrne, R. (1999). The invasion of Mediterranean weeds into California before 1769. *Fremontia* **27**.
- Mensing, S. A., Byrne, R., and Michaelsen, J. (1999). A 560-year record of Santa Ana fires reconstructed from charcoal deposited in the Santa Barbara Basin, California. *Quaternary Research* **51**, 295-305.
- Mensing, S. A. and Southon, J. R. (1999). A simple method to separate pollen for AMS radiocarbon dating and its application to lacustrine and marine sediments. *Radiocarbon* **41**, 1-8.
- Mensing, S. A. (1998). 560 years of vegetation change in central coastal California. *Madroño* **45**, 1-11.
- Mensing, S. A. and Byrne, R. (1998). Pre-mission invasion of *Erodium cicutarium* in the California Grassland. *Journal of Biogeography* **25**, 757-762.
- Benson, L, Burdett, J., Kashgarian, M., Lund, S., and **Mensing, S.** (1997). Nearly synchronous climate change in the Northern Hemisphere during the last glacial termination. *Nature* **388**, 263-265.

Book Chapters

- Tausch, R. J., Nowak, C. J., and **Mensing, S. A.** 2004. Climate change and associated vegetation dynamics during the Holocene: The paleoecological record. In (Chambers, J. and Miller, J. eds.). "Understanding and restoring watershed and riparian ecosystems at risk: The Great Basin Ecosystem Management Project." .” Pgs 24-48. Island Press, Covelo, CA.

Grants

Current Research Support

- “Did Native Americans significantly alter forest structure in California? A paleoecologic reconstruction of vegetation and fire history from two different ecosystems “ National Science Foundation, Geography and Regional Sciences. PI. 2010 – 2013, \$350,000.
- “Doctoral dissertation research: Did Native Americans fundamentally alter western forest structure? A reconstruction of vegetation and fire history from northwestern California.” National Science Foundation, Geography and Regional Sciences. Doctoral Dissertation Improvement Grant. PI. 2009 – 2011. \$12,000.

“Climate change: Effects on the hydroecology of eastern Nevada spring ecosystems and the potential impact of alternative water policy.” NSF NSHE EPSCoR Interdisciplinary Science Team Grant. PI – Saxon Sharpe (DRI), CoPIs, Scott Mensing (UNR), Scott Bassett (UNR), Don Sada (DRI), Jim Thomas (DRI). 2009 – 2011. \$200,000.

“Nevada Infrastructure for Climate Change Science, Education and Outreach” National Science Foundation EPSCoR, Nevada System of Higher Education, PI Gayle Dana, Co-PIs (Scott Mensing, UNR, Thomas Piechota, UNLV, Nicholas Lancaster, DRI). 2008-2013. \$15,000,000.

Past Support

“Reconstructing past vegetation and climate change in Nevada after the last glacial maximum using pollen from Pyramid Lake sediments.” NSF EPSCoR RII Award EPS-0814372 Undergraduate Research Grant. PI and mentor for Peter Lassaline. 2009. \$4,000

“An update of climate data for Nevada climatological divisions (1895-2008).” NSF EPSCoR RII Award EPS-0814372 Undergraduate Research Grant. PI and mentor for David Culverson. 2009. \$4,000

“Palynological analysis of lakes in the region of Lazio, Italy.” International Activities Grant, University of Nevada, Reno. 2008 – 2009. PI \$1,500.

“Palynological evaluation of a sediment core, East Glacier Lake, Glacier Lake Ecosystem Experiment Site (GLEES).” USDA Forest Service. PI \$9,915. 2005-2006

“Reconstructing the environmental history of Sand Creek Massacre National Historic Site using pollen analysis.” National Park Service. PI \$7,500. 2005-2006

“Mission Cross Bog vegetation and climate reconstruction – IDIN.” NSF EPSCoR Ring-True II. PI award with Kelly Burkle, M.S. in Geography. \$8,250. 2005.

“Blue Lake vegetation and climate reconstruction – IDIN.” NSF EPSCoR Ring-True II. PI – award with Lisbeth Louderback, M.S. in Anthropology. \$6,800. 2005.

“Recovery of *Zea mays* pollen from soil profiles from agricultural sites in Chaco Canyon and Newcomb, New Mexico.” Navajo Nation Historic Preservation Department. PI \$12,200. 2004-2005.

“Development of a Methodology for Building Long-Term Fire History in Great Basin Valley Landscapes.” Bureau of Land Management Joint Fire Sciences Program. Co-PI with Stephanie Livingston, Franco Biondi, Pat Barker and Sandy Gregory. (my portion, \$22,756 – grant total \$100,000). 2002-2003.

“Long-term fire history in a montane forest environment, Upper Rocket Creek, Idaho.” USGS. PI. \$2,500. 2002-2003.

United States Department of Agriculture, USFS Rocky Mountain Research Station Joint Venture Agreement #01-JV-11222074-136, “Changing fire regime effects on sagebrush steppe and pinyon-juniper ecosystems.” 2001-2003. PI (\$37,824).

United States Department of Agriculture, USFS Rocky Mountain Research Station Grant, “Field coring and preliminary pollen analysis for Kingston Meadow, Toiyabe Mountain Range.” 1998-1999. PI (\$4,148)

United States Department of Agriculture National Research Initiative Grant, “Conceptual and predictive models of paleovegetation dynamics in the Great Basin.” 1995-1998 co-PI with Robert Nowak, Robin Tausch and Cheryl Nowak. (my portion - \$36,113 - grant total \$100,000)

Junior Faculty Research Award, UNR “Great Basin Paleoclimate Reconstruction.” 1995-1997 (\$10,000)

Professional GIS Contracts:

Digital map of Moldavia, 1997 (\$266)

Pyramid Lake Fisheries – lake bathymetry map, 1996 (\$158)

Washoe County – analysis of billboard locations, 1996 (\$1,170)

City of Reno – snow plow priority map, 1994-1995 (\$1,021)

(d) Instructional Grants:

Campus Software Acquisition Fund Grant for pollen analysis software. 2005. (\$ 366)

Instructional Enhancement Grant, UNR “Expanding opportunities for field instruction in Geography.” 1997 (\$1,000)

Computer equipment grant, E.L. Cord Foundation (with Paul Starrs and Kathleen Bates), 1995 (\$25,000)

Summer Session Curriculum Development Grant, UNR, , “Survey of Geographic Information Systems - Geog 405/605.” 1994 (\$3,615)

Mathematics Across the Curriculum, Curriculum Development Grant, UNR, 1993 (\$1,500)

Professional Papers and Posters Presented:

"A millenium of Mediterranean climate change and forest history in central Italy", (Poster Session), S. A. Mensing, I. Tunno, S. Zimmerman, G. Piovesan, , Annual meeting, American Geophysical Union, San Francisco, CA. (December 16, 2010).

"A millennium of Mediterranean forest history: Comparing human impacts and climate change in central Italy", (Oral Presentation), S. A. Mensing, I. Tunno, S. Zimmerman, G. Piovesan, Annual meeting, Geological Society of America, Denver, CO. (November 3, 2010).

"The potential impacts of Native American land-use on fire and forest structure in the Lower Klamath River Region, California.", (Oral Presentation), J. Crawford, S. A. Mensing, F. Lake, Fire Behavior and Fuels Conference, International Association of Wildland Fire, Spokane, WA. (October 25, 2010).

"A millennium of Mediterranean forest history: Comparing human impacts and climate change in central Italy", (Public Talk/Seminar), S. A. Mensing, I. Tunno, G. Piovesan, , Tuscia University, Viterbo, Italy. (June 10, 2010).

"New research infrastructure in Nevada for climate change science, education, and outreach", (Oral Presentation), M. Young, G. Dana, T. Piechota, N. Lancaster, S. A. Mensing, M. Collopy, Natural resource needs related to climate change in the Great Basin and Mojave Desert: Research, adaptation, mitigation, US Geological Survey, Las Vegas, NV. (April 20, 2010).

"Why understanding climate change science helps efforts for developing alternative energy technologies", (Oral Presentation), S. A. Mensing, Green Day conference,, University Studies Abroad Program, Torino, Italy. (March 2, 2010).

"Update of climate data for Nevada climatological divisions (1895-2008)", D. Culverson, S. A. Mensing, B. Haugland, Nevada Undergraduate Research Symposium, Summer, EPSCoR, Las Vegas, Nevada. (August 14, 2009).

"Reconstructing past vegetation and climate change in Nevada after the last glacial maximum using pollen from Pyramid Lake sediments", P. Lassaline, S. A. Mensing, Nevada Undergraduate Research Symposium, Spring, EPSCoR, Las Vegas, Nevada. (April 30, 2009).

"Nevada infrastructure for climate change science, education and outreach", Poster, G. Dana, N. Lancaster, S. A. Mensing, T. Piechota, PACLIM 24, Pacific Climate Workshop / USGS, Pacific Grove, California. (April 20, 2009).

"Variability between western USA lakes and marine sequences: A 13-50KA record from Pyramid Lake", S. Lund, L. Benson, S. A. Mensing, J. Smoot, J. Liddicoat, R. Negrini, M. Schwartz, PACLIM 24, Pacific Climate Workshop / USGS, Pacific Grove, California. (April 20, 2009).

"Climate Infrastructure Grant Education Component", D. Hassenzahl, S. A. Mensing, M. Collopy, Nevada Environmental Education Conference, University of Nevada, Las Vegas, University of Nevada, Las Vegas. (March 6, 2009).

- “Long-term fire history in Great Basin sagebrush reconstructed from macroscopic charcoal in spring sediments, Newark Valley, Nevada.” **Invited Paper**, Great Basin Anthropological Conference, October 10, 2008. Portland, Oregon (Stephanie Livingston, and Pat Barker co-authors).
- “Curriculum in Renewable Natural Resources Management and Sustainability in the United States” **Invited Paper**, Symposium on Renewable Resource Management and Global Change sponsored by the Fondazione Anna Maria Catalano Università della Tuscia, July, 2008. Viterbo, Italy.
- “The Paleo Record for Climate and Vegetation Change.” **Invited paper**, The Mt. Tamalpais Watershed Symposium, Marin Municipal Water District, April, 2008. Mill Valley, CA.
- “A Holocene record of vegetation and climate change from East Glacier Lake Wyoming.” Paper, Association of American Geographers (AAG) annual meeting, Boston, 2008. (John Korfmacher and Robert Musselman, co-authors)
- “Late Pleistocene climate and vegetation reconstruction using pollen from a sediment core, East Glacier Lake, Wyoming, Glacier Ecosystem Experiment Site (GLEES).” Invited paper. Cordilleran and Rocky Mountain Division annual meeting of the Geological Society of America, Las Vegas, NV, April 2008. (John Korfmacher and Robert Musselman, co-authors)
- “The long-term history of oak woodlands in California”, **Invited Paper**, Tuscia University, Viterbo, Italy. (August 2007)
- “A reanalysis of Great Basin Mountains as Islands.” Paper, Association of American Geographers (AAG) annual meeting, April, 2007, San Francisco, CA. (R. J. Elston Jr. co-author).
- “Vegetation and climate reconstruction using pollen analysis from a lake within the Lake Tahoe Basin, Sierra Nevada Range, California.” Poster, AAG annual meeting, April, 2007, San Francisco, CA. Steve Connett, Steve Subith and Scott Mensing.
- “Use of Microscopic and Macroscopic Charcoal for Reconstructing Local Fire History in Shrub-dominated Environments.” **Invited paper**, American Geophysical Union annual meeting, December 2006, San Francisco, CA.
- “14C analysis confirms crossdating of sagebrush wood layers.” **Poster**, 3rd annual MTNCLIM conference, Sept. 2006, Mt. Hood, OR. (Franco Biondi, Scott Mensing and Scotty Strachan).
- “Recurrent long-term droughts in the Great Basin reconstructed from sedimentary records”. **Invited Paper**, PACLIM, Pacific Grove, CA April 2006.
- “Vegetation reconstruction of a riparian habitat, Sand Creek Massacre National Historic Site, Colorado.” **Paper**, AAG annual meeting, March 2006, Chicago IL.
- “Invasive species, fire and climate change within the Great Basin.: **Invited paper**, APCG annual conf. October 2005, Phoenix, AZ.
- “Long-term fire history in Great Basin sagebrush reconstructed from macroscopic charcoal in spring sediments, Newark Valley, Nevada.” **Poster**, MTNCLIM 1st annn. conf., April 2005, Bozeman, MT (Stephanie Livingston and Pat Barker co-authors).
- “Pollen evidence for pre-historic maize cultivation in Chaco Canyon, New Mexico.” **Paper**, AAG annual meet. March 2005, Denver CO. (Larry Benson and John Stein co-authors).
- “The History of Oak Woodlands in California.” **Paper**, California Geographical Society Annual Meeting, May 2005, Yosemite, CA.
- “Drought and Escaped Prescribed Fire Occurrence in California.” **Paper**, California Geographical Society Annual Meeting, Yosemite, Ca. 2005. Kolden, C.A. and S.A. Mensing.
- “Climate Variability, Fuels Impacts, and Prescribed Fire: Impacts and Obstacles.” Paper, AAG Annual Meeting, March 2005, Denver, Co.. Kolden, C.A., Mensing, S.A., and T.J. Brown.
- “Results from cores in Lake Tahoe.” **Poster**, Workshop for coring at Granlibakken, Lake Tahoe, CA. Sept. 2005. A. Haevert and Scott Mensing.
- “Climate Impacts on Escaped Prescribed Fire Occurrence in California and Nevada.” Poster, University of Nevada, Reno, Graduate Students Association Research Forum, Reno, Nv. May 2005. Kolden, C.A., Mensing, S.A., and T.J. Brown.
- “Changes in solar irradiance as a possible mechanism for century-scale droughts reconstructed from a Holocene pollen record, Pyramid Lake, Nevada, USA.” **Invited Paper**, American Geophysical

- Union Annual meeting, December 2004 San Francisco, CA. in a special session on "Solar Variation and Climate Change" sponsored by Gerard Bond, Lahmont Doherty, Columbia Univ.
- "Long-term fire history in Great Basin valley landscapes." **Paper**, AAG annual conference, March 2004, Philadelphia. (Benson, L, Kashgarian, M., and Lund, S. co-authors).
- "A 7000 year reconstruction of vegetation and climate change from Pyramid Lake, Nevada." Poster, PACLIM (Pacific Climate Group annual meeting, Pacific Grove, CA April, 2003. Also presented at the International Quaternary Association Congress (INQUA), Reno, NV July, 2003
- "A Holocene record of vegetation and climate change from Pyramid Lake, Nevada." AAG annual meeting, Association of American Geographers, New Orleans, LA March 2003
- "Vegetation response to Holocene climatic variation in central Nevada: Evidence from the paleoecological record. Ecological Society of America Annual Meeting, Tucson, AZ. August 2002. (Tausch, R. J., Nowak, C. J., and Mensing, S. A.)
- "Long term drought history at Pyramid Lake, NV reconstructed from fossil pollen." Pacific Climate Group – American Geophysical Union 18th annual meeting, Pacific Grove, CA. March 2001
- "Climate and vegetation history in the Tahoe / Pyramid Lakes watershed reconstructed from fossil pollen." Association of American Geographers, New York, NY. March 2001
- "Holocene vegetation and climate change in the Tahoe and Pyramid Lake watershed, California/Nevada." Geological Society of America Annual Meeting, Reno NV Nov. 2000.
- "Late Holocene environmental history in the Truckee River watershed interpreted from Pyramid Lake sediments." AAG annual meeting, Pittsburgh, PA, March 2000
- "200 years of environmental history in the Truckee River watershed interpreted from Pyramid Lake sediments." North American Lake Management Society Symposium 99, Reno, NV, December 1999.
- "Vegetation history of Kingston Canyon: Pollen analysis." Great Basin Ecosystem Management Project: Restoring and maintaining riparian system integrity: Field Tour Austin, NV July 1999.
- "Modeling biologic data using GIS and the 'Weights of Evidence' ArcView extension." (With Robert Elston Jr. and Gary Raines). 9th Annual Nevada GIS conf., Reno, NV, April 1999.
- "Late Quaternary vegetation and climate change in the western Great Basin: Pollen evidence for a dry Younger Dryas at Owens Lake." Arizona/Nevada Academy of Science 43rd annual meeting, Flagstaff, AZ, April 1999.
- "A GIS predictive model for locating packrat middens in the Great Basin."(with Robert Elston Jr. and Gary Raines) Assoc. of American Geog. annual meeting, Honolulu, HI, March 1999.
- "Late-glacial climate change in the Great Basin." Association of Pacific Coast Geographers annual meeting, Flagstaff, AZ, Oct. 1998.
- "Pollen evidence for a dry Younger Dryas in the Great Basin." Association of American Geographers annual meeting, Boston, MA, April 1998.
- "A 2,000 year record of vegetation change from northern Nevada." (Co-authored with Marie Allen) Association of American Geographers annual meeting, Boston, MA, April 1998
- "Reconstructing paleoenvironments: A review of paleoecologic methods." *Invited seminar* University of California, Berkeley, Department of Environmental Management, Seminar in Restoration Ecology, October 1997.
- "Evidence for Late Pleistocene climatic reversals in the Great Basin." Association of American Geographers annual meeting, Fort Worth, Texas, April 1997.
- "A method for predicting location of packrat middens in the Great Basin." (With Robert Elston Jr. and Leslie DeFalco) 7th Annual Nevada State GIS conference, Reno, NV, January 1997.
- "An inexpensive method to extract pollen for AMS radiocarbon dating." poster presentation, Association of American Geographers annual meeting, Charlotte, North Carolina, April 1996.
- "GIS instructional activities within the UCCSN system." 6th Annual Nevada GIS conference, Las Vegas, NV, December 1995.
- "Introduction to GIS." *Invited workshop presentation*, American Society for Limnology and Oceanography annual meeting, Reno, NV, June 1995.

- "Evidence for Late Pleistocene Climate and Vegetation Change from Pyramid Lake, Nevada." Association of American Geographers annual meeting, March 1995, Chicago, IL.
- "Pre-European / Post-European fire frequencies in coastal California." Association of American Geographers annual meeting, San Francisco, CA, March 1994.
- "More than a map: Geographic Information Systems (GIS) and the presentation of environmental data." *Invited workshop*, Environment and the Media conference sponsored by the Reynolds School of Journalism, Reno NV, April 1994.
- "Mathematics Curriculum Development in the Department of Geography." Presentation given at the UCCSN Math Across the Curriculum Workshop, Reno NV, May 1994.
- "GIS and the new federal metadata standards." *Invited presentation*, USGS/DRI Antarctic Research Workshop, Reno, NV, June 1994.
- "GIS instruction at the University of Nevada, Reno." 5th Annual Nevada GIS conference, Reno, NV, December 1994.
- "Pre-European invasion of *Erodium cicutarium* into California." *Invited talk*, Ecology, Evolution and Conservation Biology seminar series, Reno. NV, November 1993.
- "The impact of European settlement on California oak woodlands." Association of Pacific Coast Geographers annual meeting, Berkeley, CA, September 1993.

Teaching Responsibilities

Courses taught at UNR

Geog 103	Intro. Physical Geography	core natural science	11 times
Geog 205	Introduction to GIS	methods course	1 time
Geog 314	Field methods	methods course	7 times
Geog 407/607	Geographic Information Systems	methods course	10 times
Geog 409/609	Advanced GIS	methods course	1 time
Geog 434/634	Biogeography	cross listed: Biology	7 times
Geog 435/635	Conservation of Natural Resources		1 time
Geog 437/637	Geography of Past Environments		1 time
Geog 472/672	Geography of Arid Lands		2 times
Geog 473/673	Nevada: Patterns on the Land		1 time
Geog 701s	Biogeography seminar		7 times

International Teaching (University Studies Abroad Consortium)

Environmental History of the Mediterranean	Viterbo Italy	Summer 2007
Geography of Europe	Viterbo, Italy	Fall 2009
Mediterranean Landscape History: Field Methods	Viterbo, Italy	Fall 2009

Undergraduate Advising

Advise on average ten undergraduate students per year.

Graduate Advising (since 2001)

Geography: major advisor

Jeff Crawford, PhD
 Kelly Burkle (2007)
 Marie Hedrick (2007)
 Barry Greenslate (2007)
 Gene Lohrmeyer (2006)
 Crystal Kolden (2005)
 Mark Morrison (2003)
 Jeremy Smith (2003)
 Robert Elston Jr. (2003)
 Marie Allan (2002)
 John Korfmacher (2001)

Geography: committee member

Peter Noles
 Megan Bradley (2009)
 David Gundlach (2008)
 Shasta Ferranto (2006)
 Liang Jiang (2005)

Committee Member / outside of Geography 2002-2006

Eric Simandle	PhD EECB (2006)
Mark Engle	PhD NRES (2005)
Scott Crow	MS Computer Science (2005)
Kevin Mass	MS Geology (2005)
Chris Kratt	MS Geology(2005)
Elizabeth Peacock	PhD EECB (2004)
Greg Vaughn	PhD Geology (2004)
Hyunmee Park	MS Geology (2004)
Nick Hinz	MS Geology (2004)
Ed Jolie	MS Anthropology (2004)
Catherine Lorbeer	MS Journalism (2004)
Sandra Embry	MS NRES (2004)
Monica Robertson	MS Environment and Literature (2004)
Steve Horner	PhD Chemistry (2003)
Chris Geinger	MS Biology (2003)
Alicia Fallacaro	MS Geology (2003)
Jeremy McHugh	MS Geology(2003)
Hyunmee Park	MS Geology(2003)
Bobby Espinoza	PhD EECB (2002)
Susan Meredith	MS Biology (2002)
Kimberley Gupta	MS Civil Engineering (2002)

Committee Member, ongoing / outside of Geography

Monia Mazzola	PhD NRES
Peter Hartsough	PhD Hydrology
Hilary Robison	PhD EECB
Monte Sanford	PhD EECB
Ann Marie Harris	PhD Geology
Kurt Cupp	PhD Geology
Winnie Kortemeier	PhD Geology
Kathryn Krasinski	PhD Anthropology
Brian Wygal	PhD Anthropology
Steve Wathen	PhD Biology, UC Davis
Lisbeth Louderback	MS Anthropology
Signa Winona	MS Anthropology
Anna Camp	MS Anthropology
Natalie Marioni	MS Biology
Peter Drakos	MS Geology

Summary of Institutional Committee Assignments:

Provosts Ad Hoc Budget Review Committee (2009)
 College of Science Bylaws committee (2009)
 Best and Brightest Recruitment Event Speaker (2009)
 Chair, Department of Geography (2002-2008)
 Member, Faculty Senate Ad-hoc Planning and Budget Committee (2008)
 Member, Distinguished Faculty Award Committee (2008)
 COS Freshman orientation speaker (2007, 2008, 2009)

Member, Tibbitts Teaching Award Committee (2008, 2009)
 Member, Regent's Teaching Award Committee (2008, 2009)
 LeMay Teaching Award Committee for COS (Chair 2006, member 2007)
 Chair, Search Committee, Math and Stats Dept. Chair replacement (2006)
 Chair, Search Committee, Geography Land Use Planning Position (2006)
 Co-chair, Nevada Atlas Committee to produce an Atlas of Nevada (2006)
 Student Marshall for COS Winter commencement (2005)
 Member COS core curriculum course revision committee (2005)
 Judge, COS poster competition (2004, 2005)
 Member, Search Committee for COS Coordinator of Budget and Personnel (2005)
 Member Faculty Mentor Committee for Peter Weisberg NRES (2004 - 2005)
 Member, Honors Program Advisory Council (2005)
 Member, Dean search committee, COS (2004)
 Member COS Academic Council (2004)
 Member COS core curriculum course revision committee (2004)
 Chair, Search Committee, GIS Newmont Position, Geography (2004)
 Chair, College of Science Reorganization Planning Committee (2003)
 College of Science Planning Committee (2002)
 Judge – Hydrology graduate student debate (2002)
 College of Arts and Science Long Term Planning Committee (2001)
 Department of Geography Temporary Acting Chair, May (2001)
 Director, Graduate Program, Department of Geography (2000-2001)
 Department of Geography Personnel Committee (2001)
 Common Course Numbering Geography representative (2001)
 Director, Geographic Information Systems Computer Facility (1993-present)
 Western Nevada Community College GIS Curriculum Advisory Board (1999-present)
 UCCSN GIS software license agreement Primary Contact and Administrator (1995-present)
 College of Arts and Science, Social Science Core Curriculum Committee (1999)
 College of Arts and Science, Apportionment Committee (1995-1999, Chair 1999)
 Environmental Studies Board (1994-1996)
 Micro-Computing Subcommittee (1994)
 State Mapping Advisory Committee (1994-1997)

(b) To the Profession:

Chair, Local Planning committee Annual meeting of the AAG (AAG) in Las Vegas (2009)
 Co-chair - Local Planning Committee 2007 Annual Meeting of the AAG in San Francisco (2007)
 Judge Biogeography Specialty Group student paper awards, AAG annual meeting, Denver, (2006)
 Tenure case Review, Faculty, Kansas State University System (2006)
 Secretary Treasurer – Biogeography Specialty Group, AAG (2001 - 2005)
 Judge Biogeography Specialty Group student paper awards, AAG annual meeting (2004, 2005)
 Tenure case review, Faculty in the Department of Geology, UNLV (2002)
 Organized session, “Holocene paleoenvironments and climate” AAG annual meeting (1998)
 Session chair, “GIS & Education”, and “Biological Resources,” 7th Annual Nevada GIS conf.
 Geographic Alliance in Nevada GIS workshop for K-12 teachers (1997)
 Member coordinating committee 7th Annual Nevada GIS conference (1996)
 Judge, Student paper competition, Biogeography Specialty Group, AAG annual meeting (1996)
 Judge, Student research grant competition, Biogeography Specialty Group, AAG (1995)
 Member coordinating committee 5th Annual Nevada GIS conference (1994)
 Organized and Chaired two paper sessions, 5th Annual Nevada GIS conference (1994)
 Judge, Student paper competition, Biogeography Specialty Group, AAG annual meeting (1994)

(c) Grant Reviews:

Reviewer National Science Foundation, National Geographic Society, USGS, National Oceanic and Atmospheric Association

(d) Manuscript Reviews:

Nature, Madroño, The Holocene, Wetlands, Landscape Ecology, Western North American Naturalist, The Geographical Review, The Annals of the Association of American Geographers, Quaternary Research, Quaternary International, Journal of Quaternary Science, Journal of Applied Geography