

Curriculum Vitae
Matthew J. Shinderman, PhD

Education:

BS Environmental Studies/Health Sciences, James Madison University, 1995
MS Range Ecology, Utah State University, 1999
PhD Rangeland Ecosystem Management, Colorado State University, 2003

Positions Held:

2015-PI, National Park Service Upper Columbia Basin Network PNW CESU
2013-Present Program Lead, Sustainability Double-Degree
2012-Present Co-chair, OSU Campus Expansion Advisory Committee
2010-Present Senior Instructor, OSU-Cascades
2008-Present Co-Chair, OSU Sustainability Working Group
2009-2013 Faculty Representative, Healthy Communities Division, OSU Cascades
2011-2013 Dean's Council, member
2012 College of Forestry Dean Search Committee
2013 OSU Cascades Campus Expansion Advisory Committee—Co-chair
2013 OSU-Cascades Sustainability Task Force—Chair
2013 OSU-Cascades Transportation Task Force--Chair
2003-2004 Adjunct Faculty, Natural Resources Program, OSU Cascades

Instructional Summary

FES 444 Ecological Aspects Park and Protected Area Management
NR 350 Sustainable Communities
RNG 341 Rangeland Ecology and Management
FW 350 Endangered Species, Society and Sustainability
SUS 304 Sustainability Assessment
SUS 330 Ecological Dimensions of Sustainability
SUS 410 Sustainability Practicum

Non-Credit Courses and Workshops:

Botswana Leadership Workshop. *Leading difficult initiatives involving multiple stakeholder groups. Invited speaker.* Summer 2012 and Fall 2014.

Central Oregon Community College. *Forestry 195 Wilderness Concepts. Invited speaker.*
Spring 2013, 2014.

International Teaching:

College of Agricultural Science-Fisheries and Wildlife Study Abroad Program—Chillan, Chile.
Endangered Species and Society.

Curriculum Development:

Fall 2008. NR 350 Sustainable Communities Category II Proposal for new course.
Fall 2010. Sustainability Double-Degree Category I Proposal for new academic program.

Fall 2012. Sustainability Double-Degree Internships. Began recruiting and developing internship opportunities for SDD students.

Winter 2012. SUS 304 Sustainability Assessment. Category II Proposal for new course.

Winter 2012. SUS 330 Ecological Dimensions of Sustainability. Category II Proposal for new course.

Graduate Students:

Amanda Lawter, OSU. Master of Natural Resources. Major advisor. Fall 2013-Fall 2014. *Evaluating and Predicting Impacts of CO₂ and CH₄ Intrusion into a Confined Sandstone Aquifer: Fate of As and Cd.*

Garrett Turner, OSU. Master of Natural Resources. Major advisor. Winter 2013-present. *Long-term monitoring plan for stream restoration in the Nooksak Watershed.*

Jennifer Letz, Prescott College, AZ. Master of Arts Program in Sustainability. Major professor. *Developing sustainable energy programs in US national parks.* Graduated Summer 2007.

Undergraduate Student Projects:

Winter 2014. Project mentor for student working on sustainability best practices for the City of Bend Fire Department.

Fall 2014. Project mentor for student working on biodiversity protocol for the LIVE third-party vineyard certification process.

Winter 2012. Project mentor for students working on a greenhouse gas emissions inventory for Deschutes Brewery.

Winter 2012. Project mentor for students working on a waste stream audit for Deschutes Brewery, including the Portland and Bend pubs.

Spring 2008. Project mentor for 5 undergraduate students working on a carbon inventory for the City of Bend, Oregon.

Spring 2009. Project mentor for 4 undergraduate students working on sustainability projects for businesses in the community.

Winter 2006. Project mentor for 12 undergraduate students working on a synthesis report evaluating salmonid restoration needs in Whychus Creek, Oregon. Delivered to the Upper Deschutes Watershed Council in Spring 2006.

Winter 2007. Project mentor for 9 undergraduate students working on a management plan for Starwood, a private residential community in Bend, Oregon.

Winter 2009. Project mentor for 13 undergraduate students working on three different projects: (1) wildlife habitat analysis and recommendations for private lands in the Willamette Subbasin

(Trust for Public Lands); (2) critical review and recommendations of a river monitoring plan proposed by Oregon Department of Fish and Wildlife High Desert Office; (3) land management plan for a private development in Roseburg, Oregon.

Collaborative Projects:

National Park Service Upper Columbia Basin Network PNW CESU: Principal investigator working in collaboration with NPS ecologists to develop a park studies unit at the Cascades Campus.

OSU Cascades CASCaDE Sustainability Center: Developing a multi-disciplinary unit offering applied research and consulting services related to triple-bottom-line sustainable development.

Functional Biodiversity in Vineyards: Principal Investigator for sustainability advising and development of new biodiversity protocol for the LIVE (Low Input Viticulture and Enology) vineyard and winery certification process.

Deschutes Brewery Sustainability Reporting: consulting to assist with development of a sustainability assessment and first annual report compliant with the Global Reporting Initiative.

SCHOLARSHIP AND CREATIVE ACTIVITY

Peer-reviewed

Rowe, H.I., Shinderman, M., and E.T. Bartlett. 2001. Change on the range: difficult choices for ranchers. *Rangelands* 23(2): 6-9.

Shinderman, M., and C.A. Call. 2001. Establishment of forbs in cattle dungpats deposited in vegetation gaps in a degraded sagebrush community. *Ecological Restoration*: 19(2):99-106.

Shinderman, M. 2015. American pika in a low elevation lava landscape: expanding the known distribution of a temperature sensitive species. *Ecology and Evolution* 5(17):1-24.

Shinderman, M. 2015. Introduction to sustainability as a distinct worldview with emphasis on the ecological domain. *Earth Systems and Environmental Sciences*, May.

Popular Media

Shinderman, M. 2007. Heating efficiency 101: How to use less and save more. *Bend Living Magazine* June issue.

Shinderman, M. 2007. Lightness of Being: Ten easy steps to a smaller ecological footprint in 2008. *Bend Living Magazine* October/November issue.

Shinderman, M. 2007. Think globally, shop locally: Being green starts with buying close to home. *Bend Living Magazine* June/July issue. :

Shinderman, M. 2008. Become a water miser. *Bend Living Magazine* October issue.

Shinderman, M. 2008. Lessons from Three Rivers: Living off the grid and on the urban fringe. *Bend Living Magazine* March/April issue.

Shinderman, M. 2008. Ten tips for a greener holiday season. *Bend Living Magazine* December issue.

Shinderman, M. 2008. Tapping into the light from above. *Bend Living Magazine* June/July issue.

Shinderman, M. 2009. Gearing up for sustainability in Bend. *Gusto* June issue.

Shinderman, M. 2009. What Oregon should expect from the ARRA stimulus package. *Gusto* June issue.

Shinderman, M. 2010. Green Transportation Options. *Central Oregon Magazine* and *Southern Oregon Magazine*. Spring 2010 issue.

Shinderman, M. 2011. Flyfishing Adventure in Coyhaique, Chile. *Central Oregon Magazine* and *Southern Oregon Magazine*. Spring 2011 issue.

Presentations:

National Park Service Pacific Northwest CESU Pika Monitoring Group. Presenter. May 2015.

Functional Biodiversity in the Vineyard Context. Invited speaker. LIVE (Low Input Viticulture and Enology). Annual Meeting. April 2015.

Functional Biodiversity in the Vineyard Context. Invited speaker. LIVE (Low Input Viticulture and Enology). Biodiversity panel discussion. February 2015.

OSU-Cascades Campus Expansion Plans. Invited speaker. League of Women Voters and Central Oregon Landwatch. Fall 2013.

OSU-Cascades Campus Expansion Plans—Transportation. Invited speaker. Oregon League of Conservation Voters. Fall 2013.

OSU-Cascades Campus Expansion Plans—Transportation. Invited speaker. Summit West Neighborhood Association. Fall 2013.

Greenhouse Gas Emissions Inventories in the Winery Industry Context. Invited speaker. LIVE (Low Input Viticulture and Enology) Annual Meeting. April 2014.

Spatial distribution and habitat usage of the American Pika. Deschutes National Forest. Invited Speaker. April 2012.

Spatial distribution and habitat usage of the American Pika. National Speleological Society meeting. Bend, Oregon. Spring 2012.

Conservation of sensitive species in the High Desert. High Desert Conservation Conference. Oregon Natural Desert Association. Invited Panelist. September 2012.

The American Pika: standing tall in defiance of climate change. Oregon State University Science Pub. Bend, Oregon. May 2011.

Breaking the Fossil Fuel Addiction. Better Living Expo, Portland, Oregon. Invited Speaker. March 2011.

Oregon Public Broadcasting Salon Series. Conservation and Sustainable Economy in Central Oregon. Invited panelist. October 2009.

Energy and the future of America's Economy. Nancy R. Chandler Visiting Scholar Lecture Series. Central Oregon Community College. Invited lecturer. May 2009.

The Importance of Buying Locally. Bend Chamber of Commerce Panel Discussion. Invited panelist. May 2009.

Ecological Aspects of Green Building. Sustainable Building Advisor Program, Central Oregon Community College. Invited lecturer. May 2009.

Climate Change and Community Development. Large-Scale Managers Workshop, Sunriver Oregon. Keynote speaker. September 2008.

Greening Your Business. Bend Chamber Professional Development Series. Invited panelist. April 2008.

Ecological Considerations for Development: A Case Study at Juniper Ridge, Oregon. Sustainable Building Advisor Program, Central Oregon Community College. Invited lecturer. April 2008.

Global Climate Change: the Complicated Truth. Sunriver Men's Discussion Group, Sunriver, Oregon. Invited lecturer. January 2007.

Potential for ecosystem management with exurban landowners in the southern Rocky Mountains. International Symposia on Society and Resource Management, Sardinia, Italy. Presenter. 2002.

Exurban development in the southern Rocky Mountains. Human Dimensions of Natural Resources in the Western United States, Grand Targhee, Wyoming. Presenter. 2001.

Establishment of forbs in cattle dungpats deposited in vegetation gaps in a degraded sagebrush community. International Conference for the Society for Ecological Restoration, Austin, Texas. Presenter. 1998

Grants and Awards

L.L. Stewart Faculty Development Award 2008-2009. \$2200.00. Course development for NR 350.

2010 Outreach Award, Oregon State University Cascades Campus

Recognizing excellence in outreach by a faculty member, extending scholarship, demonstrated impact and professional service to the community.

2011 Individual Sustainability Award, Central Oregon Environmental Center

Recognizing individual achievements to embed sustainability into daily life in Central Oregon.

2011 OSU-Cascades Circle of Excellence Research Grant. \$10,000.00. American pika study at Newberry National Volcanic Monument.

2012-2015 Oregon Department of Fish and Wildlife, Restoration and Enhancement Program. \$25,000. Chub Removal and Biological Study. Student supervisor. Project has employed six undergraduate interns to date as field crew members.

2012 Deschutes Brewery, Sustainability Assessment. \$1500.00

2013 Sustainability Award, Oregon State University Cascades Campus

Recognizing excellence in sustainability by a faculty member, extending scholarship, demonstrated impact and professional service to the campus and community.

2015 Roundhouse Foundation, Sustainability studies in American Samoa. \$24,000.00

2015 U.S. National Park Service, Upper Columbia Basin Monitoring Network. CESU Task Agreement. PI. \$7990.00