

## CURRICULUM VITAE

**Lee Ann Woolery, Ph.D.**

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### EDUCATION

- Ph.D. in Environmental Studies, Antioch University New England, Keene, NH, 2006  
Field Study: Desert Ecology, Sonoran Desert, Arizona and Mexico, 2001  
Dissertation: *Art-based perceptual ecology as a way of knowing the language of place.*
- M.A.A.T. in Art Therapy, The School of the Art Institute of Chicago, Chicago, IL, 1995  
Study Abroad: The Artist in Latin American Art and Culture, Brazil, SA, 1994  
Thesis: *Making art as if the whole world mattered.*
- B.A. in Graphic Design, Columbia College, Columbia, MO, 1981
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### RESEARCH INTERESTS

Art-based research design and qualitative research methods. Art-based research methods to study ecological systems with a focus on biodiversity; Studies at the intersection of art and science; Neuroscience, drawing as a way to achieve science knowledge.

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### TEACHING

#### Doctoral Courses Taught

- 2020. *Art-Based Research Methods*. On-line platform. Ph.D. in Sustainability Education Program, Prescott College, Prescott, AZ

#### Graduate & Undergraduate Courses Taught

- 2020. *Art-Based Research Methods*. On-line platform. Graduate program. Prescott College, Prescott, AZ
- 2016-2017. *Community Engagement in the Arts*. Arts Entrepreneurship Program, School of Music & Visual Studies, University of Missouri-Columbia.
- 2002-2005. *Arts and the environment: Ways of knowing the human nature relationship*. University of Washington at IslandWood, Bainbridge Island, WA
- 2003. *Integrating the arts across the curriculum*. City University at IslandWood, Bainbridge Island, WA

#### Sections in Graduate & Undergraduate Courses Taught

- 2015. *The visual image as story*. "Finding the story in science" a course in the Science Journalism Honors program, University of Missouri-Columbia.
- 2013-2015. *Developing creativity*. Honors class, Theatre Department, University of Missouri-Columbia.
- 2013. *Visually communicating science research*. Chemistry Department, University of Missouri-Columbia.
- 2012. *Exploring the intersection of art and science*. Hughes Research Fellows, Bond Life Science Center, University of Missouri-Columbia.

- 2006. *Art-Based Perceptual Ecology as a way of knowing the language of place*. “Leadership in Community, Environment, and Planning” course. Instructor Rex Lybrand, University of Washington, Seattle.
- 2006. *Art-Based Perceptual Ecology as a way of knowing the language of place*. “Old- growth forest: Ecology and management” course. Instructor Cindy Updegrave, Antioch University, Seattle, WA
- 2002-2005. *Art-based research methods and qualitative social science methodology*. “Methods” course. Instructor Kristin Poppo. University of Washington at IslandWood, Bainbridge Island, WA
- 2002-2005. *Ecological orientation of early childhood development*. “Child growth and development” course. Instructor Colleen Almojuela. University of Washington at IslandWood, Bainbridge Island, WA

#### Visiting Professor

- 2018 & 2016. *Arts and the Environment*. Environmental Studies Program at University of North Carolina-Asheville.
- 2004. *Building environmental values through nature experiences and art making*. Environmental Studies Program at Eckerd College, St. Petersburg, FL
- 2004. *Art-based research design applicable to Environmental Studies*. Environmental Studies Program at Eckerd College, St. Petersburg, FL

#### Professional Development Training for 4<sup>th</sup> & 5<sup>th</sup> grade Teachers (taught at IslandWood, Bainbridge Island, WA)

- *Integrating the Arts in Natural History Studies*
- *Using the Arts to Teach Science*
- *Blurring the Boundaries Between Art and Science - STEAM*.
- *The Arts Role in Environmental Conservation and Community Stewardship*
- *Developing Leadership Skills: Exploring Our Relationship with Nature*

#### Teaching Competencies and Interests

- *Arts-based Research Design*
- *Art as a Way of Knowing*
- *Ecological Identity*
- *Environmental Studies*
- *Arts-based Environmental Education*
- *Environmental Humanities - Interdisciplinary Studies in Art, Nature, and Culture*

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## **ADVISING**

### Undergraduate Student Advising and Independent Projects Advising

- 2016. University of Missouri, School of Visual Studies, MO
- 2008-2009. Prescott College, AZ
- 2003-2005. Northwest College of Art, WA
- 2003-2005. Eckerd College, FL
- 1999. Elgin College, IL

## Graduate Student Advising and Thesis Reader

- 2002-2005. Education, Environment, and Community Program, University of Washington at IslandWood, WA
- 2002. Naropa University, CO
- 2001. The School of the Art Institute of Chicago, IL

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## **SELECTED TEACHING – FORMAL & NONFORMAL CLASSROOM**

- 2020. Citizen Artist: Crowdsourced science, more than numbers. On-line classroom at OLLI-Osher Lifelong Learning Institute, University of Arizona, Tucson, AZ
- 2020. *Drawing to learn the Sonoran Desert*. Pima County Natural Resources, Tucson, AZ
- 2020. *The natural history of Canoa Ranch*. Pima County Natural Resources, Tucson, AZ
- 2020. *EcoArtists: Working at the intersection of art and science, from local to global*. Multiple locations at OLLI-Osher Lifelong Learning Institute, University of Arizona, Tucson, AZ
- 2020. *Forest Bathing*, Yume Japanese Gardens, Tucson, AZ
- 2019. *Art and Science: Ways of knowing the Sonoran Desert*. Multiple sites, Pima County Natural Resources, Tucson, AZ
- 2019. *Art as a way of knowing the Sonoran Desert*. Multiple sites, Pima County Natural Resources, Tucson, AZ
- 2019. *Forest Bathing Among Giant Saguaros*. Pima County Natural Resources, Tucson, AZ
- 2019. *Art and Science: Ways of knowing the Sonoran Desert*. Multiple locations at OLLI-Osher Lifelong Learning Institute, University of Arizona, Tucson, AZ
- 2019. *Art as a way of knowing Mission Garden: Exploring the 4,000-year-old soil in Tucson Basin*. Mission Garden, Tucson, AZ
- 2019. *Art as a way of knowing the Santa Cruz River*. Held at the Santa Cruz River, Lowe House Project, Tubac, AZ
- 2018. *Art as a way of knowing the Santa Cruz River*. Held at the Santa Cruz River, Rancho Santa Cruz, Tumacacori, AZ
- 2017. *Art and Science: Ways of knowing the Sonoran Desert*. Sonoran Desert Conference Center, Ajo, AZ
- 2016. *Working at the confluence of art and science in the Sonoran Desert*. Tri-National Sonoran Symposium, Ajo, AZ
- 2015. *The arts as a portal to science communication—the visual language*. Summer camp for high school students held in collaboration with Bond Life Sciences Center at the University of Missouri-Columbia, MO
- 2015. *Art as a way of knowing and documenting plant communities*, at “Nurturing your botanical sanctuary,” Goldenseal Botanical Sanctuary, Rutland, OH
- 2013. *The visual image as a language to communicate science*. Science Communication Network, University of Missouri, Columbia, MO
- 2011. *Art-based Perceptual Ecology: A unique approach for biodiversity research*. National Geographic Society and National Park Service, BioBlitz, Saguaro National Park, AZ
- 2005. *Art and ecology: Knowing the storied landscape*. Art, Literature, and Science Project; with writer Kathleen Dean Moore, Red Butte Gardens, University of Utah, Salt Lake City, UT
- 2005. *Art as assessment: Art as evidence of learning*. Environmental Education and Literary Arts Workshop, Pacific Education Institute, Seattle, WA

- 2005. *Exploring non-traditional methodology: Art-based methods to monitor ecological systems*. Art Culture Nature Conference, University of Washington, Bothell, WA
- 2005. *Investigations of ecological systems through Art-Based Perceptual Ecology*. Environmental Education Association of Washington and Oregon, Vancouver, WA
- 2005 & 2004. *Using the visual arts to teach science*. Improving Learning Through the Arts with an Emphasis on Math, Science, and Language Arts Conference, IslandWood, Bainbridge Island, WA
- 2004. *Art-Based Perceptual Ecology as a way of knowing the language of place*. Association of Nature Center Administrators Summit X, IslandWood, Bainbridge Island, WA
- 2004. *Women, art, and nature: Opening to and renewing spirit through the creative process*. Adventure Awareness for Women, IslandWood, Bainbridge Island, WA
- 2003. *Studying the effects of human and natural disturbances on canopy biota composition through traditional and non-traditional research methodologies*. Art/Science Chautauqua, Evergreen State College, Olympia, WA
- 2003. *Leadership development with a focus on creativity and environmental stewardship*. Gates Foundation Development Team, IslandWood, Bainbridge Island, WA
- 2001. *Ecology and art: Creativity cultivating the human-nature relationship*. Community, Nature, and Spirit Conference, Antioch University New England, Keene, NH
- 2001. *Bringing together art and ecology*. The School of the Art Institute of Chicago, IL
- 2001. *Art-based data collection methods for monitoring changes in rainfall and vegetation along riparian ecosystems*. Antioch University New England's Desert Ecology field study program, Sonoran Desert, AZ
- 1998. *Addressing psychological loss in adolescent girls through EcoArt Therapy*. American Art Therapy Association Conference, Portland, OR
- 1998. *EcoArt Therapy: Making art as if the whole world mattered*. Ecopsychology Conference, Naropa Institute, Boulder, CO
- 1996. *Art and earth spirituality*. Adult Women Theologians Association, Chicago, IL

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## SELECTED PRESENTATIONS—CONFERENCE & OTHER

- 2020. *Citizen Artist: Reaching broader audiences for crowdsourced science*. Ecological Society Association national virtual meeting, Salt Lake City, UT
- 2020. *Data at the intersection of art and science: A biodiversity inventory of terrestrial plants in the Arizona Upland subdivision*. Ecological Society Association national virtual meeting, Salt Lake City, UT
- 2020. *Citizen Artist: Reaching broader audiences for crowdsourced science*. North American Association of Environmental Educators.
- 2018. *Learning by drawing: Shadows and horse latitudes in the Sonoran Desert*. Tri- National Sonoran Desert Symposium, Ajo, AZ
- 2017. *Arts, Environment and Community*. Professional development for faculty, University of Cienfuegos, Cienfuegos, Cuba.
- 2016. *The arts as a portal to science communication, may lead to positive conservation action*. Society for Conservation Biology-North American Congress, Madison, WI
- 2016. *Working at the confluence of art and science: Researching the past, present and future of the Sonoran Desert*. Tri-National Sonoran Symposium, Ajo, AZ

- 2013. *Explore science, enter through the arts: Art-Based Perceptual Ecology a novel research method used in collaboration with scientific inquiry*. International Congress for Conservation Biology, Baltimore, MD and Ecological Society Association National meeting, Minneapolis, MN
- 2012. *Art-Based Perceptual Ecology: Mapping global environmental change in the Sonoran Desert*. Adapting to Climate Change conference, University of Missouri-Columbia. Poster.
- 2012. *The White Dress Project: An exploration of art-based discourse applicable to public environmental policy on global clean water initiatives*. Adapting to Climate Change conference, University of Missouri-Columbia. Poster.
- 2011. *Painting the stories in the land: A unique approach for biodiversity research*. National Geographic Society and National Parks BioBlitz event, Saguaro National Park, AZ
- 2010. *Animal husbandry: Humanizing the wild, domesticating the heart*. Museum of Contemporary Art, Tucson, AZ
- 2008. *Making complex natural phenomena visible in a contemporary form of landscape art*. Museum of Contemporary Art, Tucson, AZ
- 2005. *Art-based perceptual ecology as a way of knowing the multiple scales of the landscape*. International Ecological Society Association meeting, Montreal, Canada. Poster.
- 2002. *Blurring the boundaries: Exploration at the intersection of science and art*. North American Association for Environmental Education Conference, Boston, MA
- 2000. *The White Dress Project: A participatory research project exploring art-based discourse applicable to public environmental policy on global water initiatives*. The Bonds Between Women and Water Conference, University of Minnesota, Duluth, MN
- 1998. Woolery, L. A. & Goodman, W., *Biracial identity: Making art with a group of American Indian teen mothers*. Cultural Impact Conference, Chicago School of Professional Psychology, Chicago, IL
- 1995. *Art and nature as a way to wholeness*. Illinois State Art Therapy Association Annual Conference, Chicago, IL

### Symposium

- 2005. *Conversations at the confluence of art and science*. Symposium leader at the Invitational Symposium on Interdisciplinary Studies, IslandWood, Bainbridge Island, WA

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## PROFESSIONAL EXPERIENCE

### **2007-present. CEO, Research Director. EcoArt Expeditions**

- Design and lead educational programming in the natural environment at local, national and global locations, employing art-based research methods in collaboration with Western science methods to study ecological systems.
- Conduct field research employing art-based research methods to study ecological systems with a focus on biodiversity inventories with a local and global perspective for conservation efforts.

### **2020. CEO. CitizenArtist. Parent company-EcoArt Expeditions**

- Leading the development of a new crowdsourced science opportunity employing art-based research methodologies and offering a mobile technology platform. Empowers citizens from underrepresented groups who might not otherwise participate to get involved in science research

with a focus on environmental issues, with the potential of positively transforming our current environmental problems.

**2020. Adjunct Faculty. Ph.D. in Sustainability Education Program, Prescott College, Prescott, AZ**

- Teach an on-line course, “Art-Based Research Methods” for doctoral and masters’ students using a Moodle platform. Prescott is a private, liberal arts college whose graduates are twenty-first century leaders solving the world’s growing environmental and social issues.

**2018-2019. Outreach Coordinator. School of Visual Studies, University of Missouri, Columbia, MO**

- Developed and coordinated state-wide outreach opportunities for the School of Visual Studies.
- Cultivated strategic partners, engaged students, alumni and faculty with underserved Missouri communities through platforms such as gallery and museum exhibitions, symposia, lectures, workshops, and formal and non-formal educational programming.

**2012-2017. Community Arts Specialist. University of Missouri Extension, Columbia, MO**

- Developed and led the MU Community Arts Pilot Program (CAP) at a state-wide level (114 counties) to promote and foster art-based community and economic development in a 3-way partnership with Missouri communities.
- Developed curriculum and delivered educational trainings, workshops and provided technical assistance for communities and individuals with a focus on the arts in community including: *Strategic planning and community engagement for community arts projects; What Works - for the artist entrepreneur; What Works - for the arts community that supports the artist; Cultural heritage tourism & the arts; and, Donor education, fundraising, and development for the arts community.*
- Project manager for Community Arts Pilot Project community awardee to produce the *Audio Tour: A walking and driving architectural and history tour of Legendary Lexington*. This project included community members as storytellers and voice actors; an artist residency involving University music faculty and student; University graphic design students; and over 1,500 community volunteer hours.
- Supervised two full-time community arts regional specialists and co-managed projects that focused on: arts-based economic development, cultural heritage tourism and a national Storytelling Festival.
- Wrote and received grants and developed funding proposals for foundations and individual gifts.
- Worked with 16-member advisory board that included a diverse array of leaders from the University, Missouri communities, arts organizations, and included artists and students.
- Served on faculty committees for program and curriculum design, fee generation development, and evaluation design.
- Procured funding to produce university arts programming in rural communities including: *Dialogues about Breast Cancer*, performed by University of Missouri Interactive Theatre Troupe and for high school students, *The Arts As A Portal to Science Communication*, a STEM summer camp in partnership with the MU Bond Life Sciences Center and held on the MU campus.

**2011. Scientist/Artist. National Geographic & National Parks, Saguaro National Park, AZ**

- Conducted a biodiversity inventory alongside 200 national and international scientists—to map the biodiversity of Southeast Arizona’s Saguaro National Park-West.

- Surveyed terrestrial plants employing Art-Based Perceptual Ecology research methods used in collaboration with scientific inquiry. Work included, an exhibition of data from the research study site (drawings), a site-specific and interactive art installation and a public presentation: *Painting the Stories in the Land: A New Method for Biodiversity Research*.

**2008-2010. Founding Member. Toole Shed Artist's Coop, Tucson, AZ**

- Co-led the development of an entrepreneurial start-up for artists in warehouse district in downtown Tucson that included a multi-platform economic development plan for 12 affordable art studios, a non-profit art gallery, fee-based educational programs, artist-in-residence program, and a for-profit art business. Plan included purchase of the warehouse.

**2008-2010. Gallery Associate. Tohono Village Native American Fine Art Gallery, Tohono O'odham Nation Economic Development Authority, Tubac, AZ**

- Provided gallery sales, curation and education on contemporary American Indian artists represented by the gallery, including Michael M. Chiago, painter-Tohono O'odham; Louis D. Valenzuela, mask wood carver-Yaqui, as well as many others.

**2007-2009. Artist-in-Residence. Museum of Contemporary Art, Tucson, AZ**

- Positions included: Studio Artist-in-Residence, Museum Studio Program Institute Residency and Museum Builder Residency.

**2006. Museum Education Program Associate. Olympic Sculpture Park, Seattle Art Museum, Seattle, WA**

- Developed public educational programs for the outdoor sculpture park, with a focus on the relationships formed between art, culture, and nature.

**2001-2005. Associate Professor. Education, Environment and Community Program, University of Washington at IslandWood, Bainbridge Island, WA**

Graduate Course Taught

- *Arts and the environment: Ways of knowing the human nature relationship.*

- Delivered best practices in experiential, environmental, interdisciplinary, and multicultural education at a low-residency graduate science education program serving up to 25 students per year at a sustainably built LEED certified campus.

- Practiced hybrid delivery models: in field, in classroom, in-person, internship, and practicum.

- Mentored students in the field as they taught 4th-5th graders in the IslandWood Overnight Program.

- Advised and supported students in developing independent student projects and internships, mentored students in the field, provided academic direction, and held weekly office hours.

- Served on faculty committees for program and curriculum design, student and faculty evaluations as well as for sustainable practices in education.

- Implemented an arts component in the multicultural and diversity training for faculty and staff.

- Developed a collaborative initiative with the University of Washington Landscape Architecture Design/Build faculty and graduate students with a focus on designing sustainable water catchment systems for the Pacific Northwest.

- Co-lead on Science Ambassador Program as part of Dr. Nalini Nadkarni's NSF grant: *Research ambassador program: Empowering scientists to communicate research to public audiences*, Evergreen State College, Olympia, WA.

- Represented the Program at regional and national meetings and conferences. Assisted the Director of Graduate Programs in new student recruitment.

**2001-2005. Arts Coordinator. IslandWood, Bainbridge Island, WA**

- Developed the Arts Program from its inception and managed the daily operations and budget for this multi-faceted program at a \$52 million residential education center, a sustainably built LEED certified campus that provided inquiry-based learning through the integration of art, science, and technology serving approximately 3,000 learners per year.
- Programming employed the creative arts as a means to learn about natural and cultural history, local ecological knowledge, environmental sustainability, and the human/nature relationship.
- Programming included an Artist-in-Residence program, Commissioned Art program, adult and youth classes, summer camps, and three exhibition/performance spaces.
- Taught classes, summer art camps and workshops to a multi-generational constituency in various art disciplines and mediums (drawing, painting, watercolor, acrylics, digital video) as well as writing, poetry, and traditional and non-traditional nature journaling.
- Planned and managed a two-year education conference, *Improving Learning Through the Arts with an Emphasis on Math, Science, and Language Arts*, which brought in over 200 participants.
- Designed the art education curriculum for 4<sup>th</sup> and 5<sup>th</sup> graders in alliance with Washington State Essential Academic Learning requirements.
- Taught bi-weekly art and the environment professional development workshops for teachers.
- Managed the day-to-day operations of the straw bale construction art studio.

**1998-2000. Environmental Video Consultant. Claudia Navas-Courbon Video, Chicago**

- Consulted on two videos, “Mazamorreo – In Search of Memory” and “Women of Gold – Opening Up New Paths”, regarding the recognition and revitalization of the role that Afro-Colombian women of the Pacific Lowlands of Colombia, South America play in sustaining local ecological knowledge and environmental conservation.

**1997-1998. Artist-in-Residence and Project Co-Facilitator, American Indian Health Center, Chicago, IL,**

- Co-led a young teen mom’s psychotherapy group for an adolescent and post-adolescent, American Indian, single parent, female population using the arts to address issues of urban and biracial identity through oral and visual storytelling.

**1996-1999. Program and Artistic Director. The P.E.A.C.H. Club/Gallery 312, Chicago, IL**

- Designed and managed a multi-disciplined community-based creative arts and mentorship program from its inception, employing art as the vehicle to develop self-awareness, courage and leadership skills in culturally diverse inner-city children ages 7-15.
- Wrote curriculum, trained, supervised, and evaluated a staff of 18 artists as teachers and 10 mentors and volunteers.
- Attained 2-year commitment for new initiative funding from Chicago Public Schools - \$90,000 to implement 5 satellite P.E.A.C.H. Club programs as after school programming.
  - During my tenure, outside evaluators found The P.E.A.C.H. Club’s program and curriculum advanced language skill development in English as second language speakers.
- Managed PEACH exhibitions at Gallery 312, the art studio, monthly family days, and the inner-city garden project.
- Designed assessment tools using the arts to evaluate teachers and programming.



## **PUBLICATIONS**

### Referred Publication

- 2017. “Art-Based Perceptual Ecology: An alternative monitoring method in the assessment of rainfall and vegetation in a ciénaga community.” University of Illinois, *Artizein: Arts and Teaching Journal*. Volume II, Issue II.

### Non-Refereed Publication

- 2004. “Art-Based Perceptual Ecology as a way of knowing the language of place.” Johns Hopkins University School of Education *New Horizons for Learning*, online journal.

### Cited in other Publications

- 2017. Dragovic, T., et.al. “The art of co-creating arts-based possibility spaces for fostering STE(A)M practices in primary education.” <https://www.researchgate.net/publication/323014874>
- 2013. van Boeckle, J., “Art-based perceptual ecology: A way of knowing the language of place.” In van Boeckle, J. *At the heart of art and earth: An interpretative phenomenological exploration of practices in Arts-Based Environmental Education*. (p.111-126). Dissertation for Aalto University, Helsinki, Finland

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## **PROFESSIONAL MEMBERSHIPS**

- 2012-2020. Ecological Society of America
- 2012-2020. International EcoArt Network
- 2019-2020. Arizona Association of Environmental Educators
- 2018-2020. Friends of the Santa Cruz River, AZ
- 2014-2020. Next Generation Sonoran Desert Researchers Network
- 2013-2017. Society for Conservation Biology

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## **VOLUNTEER**

GALS - Girls on outdoor Adventures for Leadership and Science at University of Arizona

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## **WHERE YOU CAN FIND ME**

- EcoArt Expeditions – [www.ecoartexpeditions.com](http://www.ecoartexpeditions.com)
- Research Gate - [https://www.researchgate.net/profile/Lee\\_Ann\\_Woolery](https://www.researchgate.net/profile/Lee_Ann_Woolery)
- Next Generation Sonoran Desert Researchers Network - <http://nextgensd.com/researchers/>
- International EcoArt Network - <https://ecoartweb.wixsite.com/ecoartnetwork>