

## ROSS, MICHAEL K

### CURRICULUM VITAE

#### EDUCATION

- Texas Tech University Lubbock, Texas  
**Master of Landscape Architecture** 2017  
Thesis Project: "Landscape Reimagined: The Chicago River and the Clybourn Industrial Corridor, Ecology as Design Intervention"
- The University of Texas at El Paso El Paso, Texas  
**Bachelor of Science in Biology** 2005  
Area of concentration: Evolutionary Ecology of Chihuahuan Desert Herpetofauna  
Minor: Anthropology

#### LICENSURE AND CREDENTIALS

- SITES AP 2018

#### AWARDS

- University Olmsted Scholar 2017  
Texas ASLA Merit Award  
Graduate Research Poster 1<sup>st</sup> Place *Humans and Their Environment* division 2016

#### TEACHING EXPERIENCE

- University of Tennessee, Department of Plant Sciences + School of Landscape Architecture  
**Assistant Professor** 2019  
Courses taught: Sustainable Landscape Construction  
Management of Landscape Systems  
Graduate Student Teaching Practicum
- Texas Tech University, Department of Landscape Architecture  
**Instructor** 2017 - 2019  
Courses taught: Introduction to Landscape Architecture, Design Studio 3: Systems, Design Studio 4: Urban Design, Environmental Planning for Sustainable Development, Advanced Environmental Planning for Sustainable Development (graduate level)  
Development and delivery of online distance curriculum for LARC 1302 – Introduction to Landscape Architecture
- Premier High School of North Austin  
**Interim Campus Director / Principal** 2012 - 2013  
Took lead in all facets of campus operations and academics; interfaced with central administration, faculty, students, staff, and parents; served as liaison between campus and community; led ecology field trips and expeditions
- Vice-Principal / Environmental Systems Lead Teacher** 2008 - 2012  
Assisted principal in all matters of campus academics, operations, and discipline; wrote and delivered environmental systems curriculum; mentored students; served as early college start advisor and campus legal representative in truancy court proceedings; led ecology field trips and expeditions
- Premier High School of Austin  
**Lead Teacher** 2005 - 2008  
Established and maintained classroom culture, administered exams, maintained grades and student documents, handled all facets of classroom discipline, provided mentoring and guidance for students ranging from grades 9-12, supported fellow teachers and administrators, advocated for students and families, established and led ecology field trips and expeditions

## RELATED EXPERIENCE

Independent Contractor

**Landscape Designer / Consultant**

2007 - present

Landscape design, native plant propagation, horticultural services, invasive species removal, establishment of native ecological plant assemblages, planting design, gardening for wildlife and pollinator health, ecosystem services and biodiversity

Texas Tech University

**Research Assistant**

2015 - 2017

Assisted lead researcher on National Park Service American Battlefield Protection Program grant seeking expansion of the National Historic Registry Boundary for Palmito Battlefield including community meetings, field trips, multimedia, brochure writing

The University of Texas at El Paso

**Field Technician / Restoration Ecologist**

1998 – 2003

Assisted in ecological restoration conducted at the Rio Bosque Wetlands Park, removed non-native and invasive species, established native plant communities, conducted faunal surveys of Herpetofauna and arthropods, built trail systems, maintained water delivery systems, assisted in the installation of ground monitoring wells, collected data, conducted public tours and outreach, interfaced with partners, volunteers, and law enforcement

## RESEARCH INTEREST

Research interests center on the intersection of ecology and urbanism; design interventions that support and enhance biodiversity and ecosystem services; as well as the impacts and mitigation of post-industrial, post-production, and on-demand landscapes on cultural systems, biodiversity, ecosystem services, and ecosystem functions

2018 - present

## MENTORING AND ADVISING

Master Student Committee Member

2019

Dustin Toothman, in progress

Master Student Committee Member

2018 - present

Michael Hall, *Evaluating the Effects of Ecological Interventions in Parks in Semi-Arid Regions* in progress

## GRANTS AND EXTERNAL FUNDING

High Plains Water District *Bushland Independent School District: Middle School Water Wise Learning Garden* – awarded \$14,348

2018 - 2019

## SERVICE

Bee Campus USA advisory committee

2018 - 2019

CASNR Recruiting, Retention &amp; Career Development committee

University Undergraduate Research and Scholarship Symposium advisory committee

Women and Gender Studies Affiliated Faculty

Departmental recruiting: Undergraduate and graduate programs

University Bonsai Society Faculty Advisor *in progress*

2017

Department of Landscape Architecture Graduate and Undergraduate LAAB Accreditation

Self Evaluation Report preparation team member

## GUEST LECTURES, INVITED TALKS, DEMONSTRATIONS, AND CRITIQUES

University of Tennessee Institute of Agriculture, Department of Plant Sciences -

2019

*Ecologically Driven Design: Moving Toward Sustainable Futures*

Collaboration Studio – Guest reviewer for undergraduate and graduate students

2018

History of Landscape Architecture – Guest lecturer *Japanese Gardens and Cultural Landscapes*

The Art and Science of Restoration Ecology (transdisciplinary studio/lab) – Guest reviewer for undergraduate and graduate students

LA Design Studio 2, Site Design – Guest lecturer *Field demonstration and Supervision,**Ecological Transects and Site Inventory*

- Collaboration Studio – Guest reviewer/charrette facilitator for undergraduate and graduate students **2017**  
 History of Landscape Architecture - Guest lecturer *Japanese Gardens and Cultural Landscapes*  
 LA Materials, Methods, Details 1 – Guest lecturer *Planting Design: Biodiversity, Ecosystem Services, and Phytoremediation*
- Master Planning – Guest reviewer for undergraduate and graduate students **2016**
- LA Site Design – Guest lecturer *Bioswales and Urban Surface Hydrology* **2015**
- Blanco County Master Naturalists – Guest lecturer *Herpetofauna of Blanco County Texas* **2014**  
 Japan America Society of Greater Austin – Guest lecturer *Araki Mujinsai Ryu Iaido and the Koryu Martial Arts*

## RESEARCH, PUBLICATIONS, PRESENTATIONS, AND PAPERS

- Ross, M.**, Ross, O., and Nelson, K. Professional Attitudes Toward Sustainability Metrics, Consequence for Practice, and Talent Recruitment. In Progress
- Park, S. and **Ross, M.** Diversifying Collaborative Learning Experiences in Design Studio **2018**  
 Council of Educators in Landscape Architecture (CELA) Annual Conference, March 21-24, 2018. Blacksburg, Virginia.
- Nelson, K., Horsford, J., Bernard, E., Park, S., Luo, Y., Klein, C., Currie, M, and **Ross, M.** Semester of Learning: A qualitative Evaluation of the Development and Implementation of an Integrated Course Model. CELA Annual Conference, March 21-24, 2018. Blacksburg, Virginia.
- Ross, M.**, "Landscape Reimagined: The Chicago River and the Clybourn Industrial Corridor, Ecology as Design Intervention", MLA Thesis Project 2017 **2017**
- Ross, M.** & Park, S. "Landscape Reimagined: Ecology as Design Intervention. Oral presentation, CELA (Council of Educators in Landscape Architecture) Annual Conference, May26-29, 2017, Beijing China
- National Park Service: American Battlefield Protection Grant Program (ABPP). Palmito Ranch Battlefield National Register Nomination. August 2015-July 2017. \$40,000. PI (80%), Co-PI: Charles Klein, Research Assistant: **Michael K. Ross**
- Laduc, T. J., D. Lannutti, **M. Ross**, and D. Beamer. 1996. "*Lampropeltis getula splendida* Diet." Herpetological Review 27:25 **1996**

## MEMBERSHIPS

- The American Society of Landscape Architects (ASLA)
- Council of Educators in Landscape Architecture (CELA)
- Sigma Lambda Alpha (SLA)
- United States Green Building Council (USGBC)
- Native Plant Society of Texas (NPSOT)