

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 January 2018

AWARDS

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

TEACHING EXPERIENCE

- University of Tennessee, Department of Plant Sciences + School of Landscape Architecture
Assistant Professor 2019 - Present
Courses taught:
PLSC 350 Sustainable Landscape Construction
PLSC 311 Management of Landscape Systems
PLSC 569 Graduate Student Teaching Practicum
PLSC 485 Computer Aided Landscape Design
PLSC 455 Advanced Sustainable Landscape Construction
PLSC 555 Graduate Advanced Sustainable Landscape Construction
LAR 535 Operative Landscape Tactics
- 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
 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

2007 - present
- Texas Tech University
Research Assistant
 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

2015 - 2017
- The University of Texas at El Paso
Field Technician / Restoration Ecologist
 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

1998 – 2003

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
 Dustin Toothman,

2019 - 2020
- Master Student External Committee Member
 Michael Hall, *Evaluating the Effects of Ecological Interventions in Parks in Semi-Arid Regions*
 Texas Tech University, in progress

2018 - present

GRANTS AND EXTERNAL FUNDING

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

2018 - 2019

SERVICE

- Department of Plant Sciences Seminar Committee Co-Chair

2020 - Present
- UT Gardens Garden Education and Discovery Center Programming Task Force

2019 - Present
- Department of Plant Sciences Seminar Committee

2019 - Present
- EESRB Green Roof working group

2018 - 2019
- Consultation and supplemental management UTK/UTIA rain gardens and green infrastructure

2018 - 2019
- Bee Campus USA advisory committee UTK

2018 - 2019
- Reviewer for Council of Educators in Landscape Architecture, Design Education and Pedagogy submission

2018 - 2019
- Bee Campus USA advisory committee (TTU)

2018 - 2019
- CASNR Recruiting, Retention & Career Development committee

2017
- University Undergraduate Research and Scholarship Symposium advisory committee

2017
- Women and Gender Studies Affiliated Faculty

2017
- Departmental recruiting: Undergraduate and graduate programs

2017
- University Bonsai Society Faculty Advisor *in progress*

2017
- Department of Landscape Architecture Graduate and Undergraduate LAAB Accreditation Self Evaluation Report preparation team member

2017

GUEST LECTURES, INVITED TALKS, DEMONSTRATIONS, AND CRITIQUES

- UTIA Extension Green Industry Field Day, *Ecological Landscape Design* **2020**
 UTIA Extension In-Service Training, *Foundations of Sustainable Landscape Design*
 LAR 556/554 – AnD: Sister Sites, Critic
- GEOL 454 – Ecological Restoration, Guest Lecturer *Ecologically Driven Design* **2019**
 LAR 553 – River Studio, Guest critic for graduate landscape architecture and dual
 LA/Architecture design studio
 Go Green Home Summit, *Principles and Application of Sustainable Landscape Design,
 Management, and Construction*, Maryville College
- University of Tennessee Institute of Agriculture, Department of Plant Sciences -
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.**, Nelson, K. and Sievers Ross, O. Professional Attitudes Toward Sustainability and Sustainability Metrics. Council of Educators in Landscape Architecture Annual Conference, accepted **2019**
- Park, S., P. Zhang, **M. K. Ross**, and O. Sievers Ross. Landscape Architectural Approach on Battlefield Landscape Preservation, Council of Educators in Landscape Architecture Annual Conference, in review
- Ross, M. K.**, M. Kouhirostami, and M. Kouhirostamkolaei. The Effect of Road Intersection Angle on Ventilation: Urban Wind Corridor Simulation with Computational Fluid Dynamic Software, 2019 Book of Accepted Abstracts ACSP Annual Conference October 24-27, 2019
- 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 Tennessee (NPSoT)
Native Plant Society of Texas (NPSoT)