**Dr. Jennifer Moody**  JenniferMMoody@ku.edu

Kansas Biological Survey, 2101 Constant Ave, Lawrence, KS, 66047 913-744-8559

**Work History**

**Research Assistant Senior, Kansas Biological Survey, University of Kansas (2018-Present)** Conduct research simultaneously on multiple projects including prepping for field work, collecting and analyzing data, and writing reports. Educational outreach through web-page development and delivering classroom activities for third graders

**Outreach Coordinator and Manager, KU Native Medicinal Gardens, University of Kansas (2018-2021) –** managed the KU Medicinal Plant Garden and the KU Pharmacy garden, coordinated volunteers, trained interns, and conducted outreach activities. Position ended when funding ran out.

**Sustainability and Urban Ecology Specialist, Harris Stowe State University (2018)** Planned, coordinated, and developed courses for 3-week Summer Academy for Middle School students.

**Adjunct Professor, Harris Stowe State University (2017-2018)** Taught Season Food Production, Intro to Biology Labs, Principles of Biology

**Adjunct Professor, Maryville University (2017-2018)** Taught Environmental Health, Introduction to Sustainability, Plants and People Lab.

**Greenhouse Assistant at Fahr Greenhouse (2017 to 2018)** Production planting, including mixed containers for retail sales. Customer service in the retail shop.

**Account Manager at Rosehill Gardens (2016 to 2017)** Managed residential and commercial landscape maintenance accounts totaling over $200,000

**Retail Associate at Rosehill Gardens (2015 to 2016)** Assisted customers at the retail store with plant selection and advised them how to care for the plants. Taught gardening classes for children ages 3 – 7.

**Assistant Professor at William Jewell College (2007 to 2014)** Developed and taught three to four lecture and laboratory classes per semester. Advised 12 – 20 students per semester. Mentored Undergraduate Research projects. Served on departmental and college committees. Courses Taught - Evolution and Ecology, Ecology of Food, Plant Biology, Biological Diversity, Introduction to Biological Investigation, Plant Ecology and Conservation, Astrobiology, Ethnobotany, Plant-Insect Interaction

**Research Assistant for Kansas Biological Survey (2004, 2007)** – Located, mapped and conducted floristic surveys of prairie remnants in Northeastern Kansas. Conducted floristic surveys on riparian vegetation along the Gila River in New Mexico.

**Lecturer at University of Kansas (2006, 2007)** Taught the following courses - Introduction to Biostatistics (~60 students), Principles of Biology (~975 students), Principles of Organismal Biology (~40 students)

**Research Assistant at the University of Kansas (2000 - 2006)** - I organized undergraduate field workers, created a system for sieving soil seed bank samples, surveyed roadside sunflower populations, maintained and improved the data collection procedure by incorporating GPS. In addition, I was part of a team that created a computer simulation modeling sunflower populations. Collected field data on disease (smut and rust) and seed predation of the sedge, *Carex blanda* and the population ecology of Garlic Mustard (*Alliaria petiolata*)

**Teaching Assistant at University of Kansas (2000 – 2006)** Courses Taught - Principles of Organismal Biology, Genetics, Biology Lab for Non-Majors, General Biology Lab for Majors, Ecology, Evolution

**Teaching Assistant at Missouri State University (1998-2000)** Courses Taught - Biometry Lab, Biometry, Ecology Lab, General Botany Lab

**Research Assistant at Missouri State University’s Bull Shoal’s Field Station (1999-2000)** – Conducted floristic surveys, including preparation of herbarium specimens, for the, at that time, newly formed field station.

**Research Assistant at Wilson’s Creek National Battlefield (1998)** – Demography of the rare plant Missouri Bladderpod (*Lesquerella filiformis*). Collection of demographic data on bladderpod, control of invasive brome sedge

**REU Participant at University of Arkansas at Little Rock (1994)** – Plant-insect interactions of Purple Passionflowers (*Passiflora incarnata*). I developed an independent project while learning to do field work, identify ants, and sample nectar.

**Experience**

**Project Management**

* Managed multiple, concurrent ethnobotany and ecology projects on topics such as sustainable harvest of wild foraged plants, habitat restoration, and wetlands delineation.
* Administrated the Undergraduate Research Program for Biology and Chemistry students at William Jewell College, coordinating 20+ students and 9 faculty colleagues.
* Worked with clients and multiple departments at Rosehill Gardens to ensure proper landscape and lawn maintenance and the development of annual flower planting schemes at commercial and residential properties.
* Communicated with colleagues, clients, and students via phone, e-mail, text messaging, and online project/course management software.
* Organized and managed 2-4 courses a semester for up to 90 students, including scheduling, managing assignments, and tracking grades.

**Communication**

* Used e-mail and an online course management system to communicate with students about course content, changes in scheduling, homework assignments, etc, as part of normal class procedures
* Communicated with commercial and residential clients at Rosehill using e-mail, phone, and text messaging.
* Distilled difficult ecological and biological concepts for college students at all levels, including those not majoring in Biology
* Communication of technical ecological research to other ecologists, both through oral presentations at professional meetings and publications in peer-reviewed professional journals

**Supervising and Mentoring**

* Counseled between 12-20 college students each semester about their course of study, career aspirations, and life goals in my role as an academic advisor
* Mentored college biology students through the conception, design, implementation and presentation of independent research projects
* Managed two 3-man landscape maintenance crews at Rosehill Gardens
* Supervised undergraduate research assistants both in the field and in the laboratory
* Managed student workers in the greenhouse, herbarium, and as undergraduate teaching assistants at WJC

**Collaboration**

* Team-taught courses with faculty colleagues including the development and modification of curricula, recording and tracking grades, sharing in-class teaching responsibilities, and collaboration in course assessment at William Jewell College.
* Developed and implemented experiments and field work with colleagues leading to peer-reviewed scientific publications.
* Served as a board member for The Martha Lafite Thompson Nature Sanctuary for three years.

**Teaching**

* Developed college courses designed to deliver content and develop student skills in writing, presentation, research, and critical thinking.
* Leveraged diverse technologies such as electron textbooks, online course-management systems, and social media to support and enhance classroom experiences.
* Tailored best educational practices (active learning, just-in-time-teaching, peer teaching) to students and the material to provide a quality learning experience, with a focus on hands-on learning in both lectures and labs.

**Research**

* Developed experiments and field surveys designed to address specific ecological questions.
* Planned, implemented, and conducted multi-year field studies.
* Managed and analyze data using Minitab, Excel, and R.
* Conducted floristic surveys of Kansas prairies, Bull Shoal’s Field Station in southwest Missouri, and riparian vegetation along Gila River in New Mexico.
* Collected demographic data and population surveys of American Persimmon, Wild Annual Sunflower, Osha, Prairie Turnip, *Carex blanda*, Missouri Evening Primrose, Carolina Larkspur, and Missouri Bladderpod.

**Education**

Drury University Springfield, MO Biology BA, 1995

Missouri State University Springfield, MO Biology MS, 2000

University of Kansas Lawrence, KS Ecology and Evolutionary Biology PhD, 2006

**Skills**

**Teaching**

Course and Curriculum Development

In-Class teaching

Course Management

Student Development

**Research**

Project Management

Experimental Design

Data Analysis

Statistics

Technical Writing

Public Speaking

Creating Effective PowerPoint Presentations

Plant Identification

Vegetation Sampling

GPS and Mapping

**Software**

Microsoft (Office, PowerPoint, Excel, Access, Teams)

Online Learning Management Systems (Moodle, Canvas, Blackboard)

Minitab Statistical Software

ArcView GIS

R Statistical Software

Adobe Creative Suite

Social Media

E-mail and Internet