

Josh Snyder

✉ jsnyder@uvu.edu

☎ 801-863-8695

📍 800 West University Pkwy. MS 299 OREM, UT 84058

PROFESSIONAL EXPERIENCE

Apr. 2020- Present

Teaching Botany Lab Manager, Biology Department Utah Valley University

- Setup botany labs
- Purchase materials for botany labs
- Manage lab assistants
- Teach courses in botany, zoology and general biology
- Oversee maintenance of growth chambers and lab equipment
- Design, build and maintain Native Research Garden
- Oversee Plant Identification Team

Jan. 2009–Apr. 2020

Adjunct Faculty, Biology Department Utah Valley University

- Zoology 3300 (Herpetology Lecture) - Design and instruct upper-division course in which students learn the anatomy and physiology, systematics, evolutionary history, and ecology of herptiles. The course includes three days of field work in Southern Utah and culminates in student presentations on current research.
- Biology 1625 (Biology II Laboratory) - Prepare, instruct, and evaluate labs. Material covers taxonomy, anatomy, development, biodiversity of plants and animals, experimental design and data analyses.
- Zoology 3200 (Invertebrate Zoology Laboratory) - Prepare, instruct, and evaluate labs regarding anatomy, physiology, systematics, evolution and ecology of invertebrate animals.
- Zoology 4505 (Comparative Anatomy Laboratory) - Prepare, instruct, and evaluate labs. I designed the lab to include examinations, group learning, projects, presentations and a focus on current research. Topics covered include comparative anatomy, evolution of organ systems, and dissection of vertebrate organisms.
- Zoology 2425 (Human Physiology Lab) - Instruct and evaluate labs covering human organ systems utilizing a broad array of laboratory techniques and equipment.
- Help recruit and train new lab instructors. Many attend my labs before teaching their own.

Oct. 2006– Mar. 2020

Business Manager, PRO Solutions

- Run weekly financial meetings and oversee finances
- Recruit, interview and hire new employees
- Manage internal projects and training
- Select and administer employee benefits
- Create and process payroll
- Review, approve, and reimburse expenses
- Maintain internal servers and accounting systems

Aug. 2005–Oct. 2006

Research Operations Analyst/Environmental Consultant, EPRI Solutions

- Identified opportunities for electric utilities to participate in water quality trading and other environmental programs
- Published white paper outlining water quality trading opportunities and presentation of research at several conferences including EPA conferences in Pittsburgh, PA and Atlanta, GA
- Developed database for maintenance instructions of critical equipment utilized by power plants
- Assessed risk and mitigation through maintenance planning
- Analyzed and interpreted data for use in client reports
- Managed office and facilities

2003–2005

Teaching Assistantship, Villanova University

- Prepared labs and lectures, taught and evaluated students in Biology for Today and Heredity & Human Affairs
- Assisted in the preparation, teaching and evaluation of students in Ecology, Ichthyology & Herpetology, and Comparative Anatomy

Jun.–Aug. 2004

Field research in New Zealand and New Caledonia

- Conducted self-organized study of Gargoyle Geckos (*Rhacodactylus auriculatus*), a species endemic to New Caledonia
- Trained local scientists in reptile survey techniques
- Assisted in the capture, banding, and radio tracking of a critically endangered New Caledonian bird (*Rhynochetos jubatus*)
- Participated in rodent survey with New Zealand Department of Conservation

EDUCATION

- 2003 - B.S. Biology (*cum laude*), Utah Valley University, Orem, Utah
- 2007 - M.S. Biology, Villanova University, Villanova, Pennsylvania

AWARDS RECEIVED

- Utah Valley University 2018 Faculty Senate Award of Excellence - College of Science
- Villanova Research Assistantship - Competitive grant based on research proposal
- Villanova Teaching Assistantship - Competitive grant based on academic merit
- U.V.S.C. Biology Departmental Scholarship (full tuition, four-year) - Competitive, academic-based scholarship

SKILLS

- Teach complex biologic topics with passion and clarity
- Manage purchasing and finances
- Communicate and interact effectively with students and co-workers
- Organize, instruct, and motivate students/workers using experience and leadership skills
- Experimental design and data analysis
- Research and scientific writing
- Excel, Word, PowerPoint
- Bilingual: fluent Spanish (read, write, speak)

PUBLICATIONS

- Reudink, M.W., **Snyder, J.P.**, Xu, B., Cunkelman, A., and Balsamo, R.A. (2005) A comparison of physiological and morphological properties of deciduous and wintergreen ferns in southeastern Pennsylvania. *American Fern Journal* 95:45-56.
- Fox, J., **Snyder, J.P.** (2006) Water quality trading for nitrogen: the foundation for a pilot project. Electric Power Research Institute (EPRI). Internal Technical Report.
- **Snyder, J.P.**, Snyder, L.A., and Bauer, A.M. (2008) *Rhacodactylus auriculatus* sap feeding. *Herpetological Review* 39(1):93.
- **Snyder, J.P.**, Snyder, L.A., and Bauer, A.M. (2010) Ecological observations on the Gargoyle Gecko, *Rhacodactylus auriculatus* (Bavay, 1869) in southern New Caledonia. *Salamandra* 46(1):37-47.