

RUDY MUELLER-SCHRADER

EDUCATION

Lawrence University, Appleton, WI

Bachelor of Arts, Biology; Conferred June, 2020

University of Wisconsin-Green Bay, Green Bay, WI

Master of Environmental Science and Policy; Matriculating Fall 2020

AWARDS AND SCHOLARSHIPS

Lawrence University Presidential Scholarship, Lawrence University More Light Scholarship, Lawrence University Edgar Patterson Scholarship

RESEARCH AND EDUCATIONAL EXPERIENCE

Semester in Environmental Science, Marine Biological Laboratory, Woods Hole, MA *Fall 2018*

- Performed field and laboratory procedures in aquatic and terrestrial ecosystems
- Designed, conducted and formally presented results of an independent research project for the Massachusetts Environmental Trust (MET) grant under the mentorship of Dr. Maureen Conte

Lawrence University Marine Term (LUMP) *Spring 2018*

- Conducted field research on Grand Cayman's coral reefs for 15 days (20 dives)
- Completed coursework relating to aquatic ecology, microbiology, and coral reef environments

RELEVANT COURSEWORK

Biology courses: Experimental Design and Stats, Aquatic Ecology, Conservation Biology, Microbiology, Ecological Energetics, Terrestrial Ecosystems, Aquatic Ecosystems, Science Writing, Mathematical Modeling, and Biogeochemistry

Chemistry courses: Introductory Chemistry courses, Organic Chemistry I

Environmental Studies courses: Environmental Science, Environmental Justice & Citizenship, Environmental Policy, Environmental Economics, and Religion and the Biosphere, Ecology and Evolution, Fisheries and Wildlife Law, and Groundwater Resources and Regulation

RELEVANT SKILLS

Laboratory Skills

- Nutrient and elemental analysis (phosphate, nitrate, ammonium, and CN analysis)
- Isotopic analysis (preparation and data analysis)

Field Skills

- Analysis of the physical and chemical characteristics of aquatic systems
- Terrestrial ecosystem biomass and energy inputs/outputs (photosynthesis, evapotranspiration, etc.)

PRESENTATIONS

Understanding sea turtle foraging through the stable isotopes of their prey items, *December 2018*
Semester in Environmental Science Symposium, Marine Biological Laboratory, Woods Hole, MA

RELEVANT ADDITIONAL EXPERIENCE

Volunteer for Marsh & Associates LLC, Tempe, AZ *Summer 2019*

- Sampled 500 meter sites for Loach Minnow presence in the Upper Blue River near Alpine, AZ
- Utilized electrofishing and seining techniques

Intern at OdySea Aquarium, Scottsdale, AZ *Summer 2017*

- Monitoring and maintenance of fish/invertebrate health
- Provided guests with information regarding organisms in a variety of exhibits

ADDITIONAL ACTIVITIES

Lawrence University's Varsity Baseball Team

Vice President of Scholarship, Recruitment, and Philanthropy of Lawrence University's Interfraternity Council

REFERENCES

