Department: Plant and Earth Science

Program Name: Conservation and Environmental Planning

Program Level: Undergraduate

College: Agriculture, Food, and Environmental Science

Program: Major

Submitted by: Donavon Taylor

Title: Professor and Department Chair

Contact: donavon.h.taylor@uwrf.edu

Submission Date: December 2, 2016

Program Outcomes

Outcome 1: Demonstrate knowledge of regional and global natural ecosystems. (a) Identify the physical and biological components of the various terrestrial and aquatic biomes. (b) Understand the ecosystem principles that determine their function and behavior. (c) Gain advanced insight into the management and human impact issues associated with natural resources.

Outcome 2: Gain expertise in conservation management techniques and understand their scientific foundations. (a) Assess and develop management plans for private and public natural resources. (b) Understand the concept of sustainability and its application to natural resource management. (c) Gain experience in the techniques of reestablishment, rehabilitation, and restoration of natural areas.

Outcome 3: Safely and effectively utilize field equipment common to the natural resource management discipline and demonstrate proficiency through out-of-classroom experiences. (a) Gain experience in out-of-classroom field-based biometric sampling. (b) Perform water quality sampling and monitoring in a natural setting. (c) Utilize tools and techniques for vegetation and habitat modification.

Outcome 4: Critically analyze and communicate information related to natural resource management issues. (a) Engage in scientific research focused on natural resource management. (b) Develop research reports suitable for publication. (c) Deliver professional-quality public presentations on and off-campus to relevant stakeholders.