

COURSE DESCRIPTION

BIOL 4080/4081 – General Ecology (4 cr.) *Prerequisite: BIOL 1110/1111 or equivalent and one upper division biology course with grades of “C” or better. Corequisite: 4081.* – A survey of basic ecological principles and processes and their application of the welfare of humans and their environment. Lecture and laboratory activities focus on understanding ecosystem dynamics. Includes statistical analysis of field-collected data.

SCENARIO

Ultimately students are to prepare and submit a grant proposal to APSU / OUR-PRS application <http://www.apsu.edu/our>. Immediately following the library instruction, students will select an article that is related to their proposal idea and write a summary of it using APA style.

The librarian will facilitate the BIOL 4080/4081 students to understand the grant writing process and how to select both print and e-resources to enhance their grant proposals. Students will learn how to select appropriate both scholarly research articles found in the library’s science databases; and, how to evaluate internet resources to successfully complete this assignment.

STUDENT LEARNING OUTCOMES [a=audience, b=behavior, c=condition, d=degree of accomplishment]

After the research instruction session facilitated by a librarian [c], students [a] will demonstrate that they have learned to locate a research article from a library science database [b] to complete the article summary assignment [d].

Following the introduction of internet website evaluation process [c], students [a] will demonstrate their understanding of assessing websites [b] by the in-session group presentations of the pre-selected ecological websites [d].

Following participation in the research session [c], students [a] will demonstrate their understanding of the grant writing process [b] with the completed grant ready for submission [d].

Students [a] will demonstrate that they know how to cite different types of resources [b] following the library research session [c] by correctly citing all of their resources in APA style [d].

POSSIBLE ASSESSMENTS

Successful group presentations evaluating pre-selected websites.

Completed article summary assignment.

Completed grant ready for submission.