

## **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. Co-requisite: 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 TWO – REFWORKS**

Student assignment is to design an ecology project proposal which requires a literature review of evidence-based research to enhance their proposals.

The librarian will instruct the BIOL 4080/4081 students how to select both print and e-resources to enhance their project proposals. Students will learn how to select appropriate evidence-based research articles found in the library’s science databases; and will learn how to evaluate internet resources in order to successfully complete this assignment.

The librarian will focus on introducing three ways to add resources to RefWorks; and how to select and add resources to a RefWorks subfolder which will enhance the organization of their research. Before leaving the library session, students will use an assigned research question to create a bibliography using APA 6<sup>th</sup> edition. Students will import one book from WorldCat, two journal articles from a science database, and one manually entered citation.

Students will also learn to successfully edit a RefWorks generated bibliography to comply with APA 6<sup>th</sup> edition standards to complete the assignment.

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

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

After learning to identify evidence-based articles using the Library’s science databases [c], 100% [d] of the students [a] will select the required materials for the bibliography [c] that will be used to generate a bibliography in APA 6<sup>th</sup> edition to be turned in before leaving class. [d].

After the introduction to basic RefWorks skills [c], 100% [d] of the students [a] will use the three methods introduced to add information as directed to the BIOL 4080 subfolder [b] to generate bibliography in APA 6<sup>th</sup> edition to be turned in before leaving class. [d].

After the librarian has demonstrate how to edit the RefWorks generated bibliography [c], students [a] will edit their RefWorks generated bibliography to be properly edited bibliography in APA 6<sup>th</sup> edition [b] at a rate of 60% [d].

## **ASSESSMENTS**

- Verbal assessments of group presentations evaluating pre-selected websites.
- Completed bibliography edited and turned in before the end of the library session.