

## **COURSE DESCRIPTION**

**BIOL 3130/3131 – Genetics & lab (4 cr.)** *Prerequisite: BIOL 1110/1111 with a grade of “C” or higher. Corequisite: BIOL 3131.* Consideration of the principles underlying inheritance in plants and animals. Application of these principles to population dynamics. Concepts are taught through problems based on experimental data.

## **SCENARIO**

Students are to write a ten page research paper on any disease caused by an alteration in genetic makeup (can be hereditary or spontaneous or induced mutations). The paper must have ten sources with most sources being from peer reviewed science journals. However, books are also acceptable and only one website may be used. Students must format their papers in *Scientific Style and Format: The CBE Manual for Authors, Editors, and Publishers. 6<sup>th</sup> Ed.*

The librarian will facilitate the BIOL 3130/3131 students to refine their approved topic to locate books, 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 books, scholarly research articles from a library science database, and appropriate websites [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 genetic websites [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 CBE style [d].

## **POSSIBLE ASSESSMENTS**

Successful group presentations evaluating pre-selected websites.

Completed research paper.