Course Outcomes Guide (COG)

Course Title: Bio111 S13   **Date:** 5/11/14

Course Team: R. Nickerson

Expected Learning Outcomes
- Students will access, process, analyze and synthesize scientific information.
- Students will apply knowledge of specific course content to build an understanding of environmental issues.
- Students will apply the scientific method and critical thinking skills in order to draw logical conclusions based on the analysis of scientific data.
- Students will use technology by applying computer and information literacy skills to access online learning materials and conduct online research.
- Students will use verbal and writing skills to discuss their personal ethical values, and present factual information which can be used to justify their philosophical positions on controversial environmental issues.

Assessment

18 online P/F homework assignments x 10 pts/each
12 highest out of 18 quizzes x 10 pts/each
1 Research Essay x 100 pts
2 comprehensive Exams x 100 pts

Validation (What methods have you used or will you use to validate your assessment?)

Homework assignments and quizzes are assessed automatically by online educational programs designed by the publishers of the course textbook. The instructor designs these assignments using items supplied by the text book publisher (Pearson). Each assessment item is linked to a specific learning objective and ranked by difficulty level 1-5.

The Research Essay is assessed using a rubric.

The Common Final Exam consists of items derived from the publisher's test bank.

Results

# students	%A	%B	%C	%D	%F	Average Course Grade
10	20	50	10	0	20	75.4

Follow-up

Online homework assignments, quizzes, and class exams are continually edited to align items with course content.

A weekly Discussion Topic will be added to future classes to promote and assess student understanding of course content.

Budget Justification

Since this course is conducted almost solely online, students rarely make use of the SLC or campus-based computer networks/printers. Two exams are administered in the Testing Center.