

STUDENT LEARNING OUTCOMES -- INDIVIDUAL COURSE
CHC BIOLOGY 100 (6/16/2010)

Student Learning Outcome			
Course objective(s)	Outcome	Activity	Assessment
Read, discuss, and critically evaluate biological information based on principles of scientific method and research design.	Students will demonstrate their ability to critically evaluate biological information based on principles of scientific method and research design, including the manipulation and interpretation of biological data	by participating in the design of a class experiment to test an independent variable influencing a dependent variable	and correctly organizing the results using tables and graphs, applying simple statistical analysis such as averages, and accurately interpreting the results in a scientifically-formatted written lab report <i>Cardiovascular project report</i>
Manipulate and interpret biological data by organizing data tables, calculating averages, preparing graphs, and evaluating results.			
Identify what distinguishes each kingdom of life from another.	Students will demonstrate their ability to compare and contrast the key physical and physiological traits of each kingdom of life	collecting examples of how biodiversity distinctions are significant to real world applications	and respond to questions about the kingdoms of life by providing answers that include use of relevant information, sound analytical speculation, and appropriate conclusions <i>5 questions on final exam</i>
Collect scientific data using basic biological measurement tools such as metric rulers, analytical balances, thermometers, and microscopes.	Students will demonstrate their ability to collect scientific data using a microscope and metric measurements	by preparing wet mount slides from pond samples, using a microscope to observe microscopic organisms,	and accurately measuring microbe size, quantifying population numbers, and objectively describing behaviors