

Course Title & Number: _____ Principles of the Human Body Bio*H110 _____

Competency Area: **SCIENTIFIC REASONING** (Goal: Students will become familiar with science as a method of inquiry. Students will develop a habit of mind that uses quantitative skills to solve problems and make informed decisions.)

Faculty submitting the Learning Outcomes: _____ Rachel E. Sackett _____

Date: _____ 3/6/13 _____

[Instructions: Please match the Learning Outcomes in the left hand column to those of the course you are submitting for Gen Ed approval. List the corresponding course outcomes in the right hand column to indicate a match.]

BOR TAP's Learning Outcomes	Corresponding Outcomes for Course Named Above
1. Explain the methods of scientific inquiry that lead to the acquisition of knowledge. Such methods include observations, testable hypotheses, logical inferences, experimental design, data acquisition, interpretation, and reproducible outcomes.	Explain and use the steps in the scientific method.
2. Apply scientific methods to investigate real-world phenomena, and routine and novel problems. This includes data acquisition and evaluation, and prediction.	Students apply the steps of the scientific method through researching various diseases and disorders that affect the human body.
3. Represent scientific data symbolically, graphically, numerically, and verbally.	Students plot data for phenotypic ratios in tables Students will present and explain data given in tables during oral presentations on organ systems
4. Interpret scientific information and draw logical references from representations such as formulas, equations, graphs, tables, and schematics.	Students will interpret various graphs and tables while conducting research on human organ systems and presenting findings to class
5. Evaluate the results obtained from scientific methods for accuracy and/or reasonableness.	Students will evaluate scientific methods while performing research on the human organ systems and discuss these studies during oral presentations

	<i>Additional Outcomes</i>
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