***Course Title & Number***: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***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***: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***Date***: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[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. |  |
| 2. Apply scientific methods to investigate real‐world phenomena, and  routine and novel problems. This includes data acquisition and  evaluation, and prediction. |  |
| 3. Represent scientific data symbolically, graphically, numerically, and  verbally. |  |
| 4. Interpret scientific information and draw logical references from  representations such as formulas, equations, graphs, tables, and  schematics. |  |
| 5. Evaluate the results obtained from scientific methods for accuracy  and/or reasonableness. |  |
|  | ***Additional Outcomes*** |