

Rubric for General Education (2021+)
SLO #8

Outcome: Students effectively study the natural world through the use of scientific principles.

| Criteria | Exceeds Standard (3 points) | Meets Standard (2 points) | Approaches Standard (1 point) | Does Not Meet Standard (0 points) |
|---------------------------------------|--|---|--|--|
| Scientific Observation and Analysis | Student demonstrates an accurate and precise understanding of methods used in scientific observation and analysis | Student demonstrates an accurate understanding of methods used in scientific observation and analysis | Student demonstrates incomplete/limited understanding of the methods used in scientific observation and analysis | Student demonstrates an inadequate and incomplete understanding of methods utilized in scientific observation and analysis |
| Natural Phenomena | Student demonstrates depth and breadth in quantitative or conceptual understanding of natural phenomena | Student demonstrates quantitative or conceptual understanding of natural phenomena | Student inconsistently demonstrates quantitative or conceptual understanding of natural phenomena | Student fails to demonstrate accurate quantitative or conceptual understanding of natural phenomena |
| Scientific Information Interpretation | Student demonstrates depth and breadth in the ability to interpret scientific figures, and tables | Student demonstrates ability to interpret scientific figures, and tables | Student demonstrates limited ability to interpret scientific figures, and tables | Student demonstrates inability to interpret scientific figures, and tables |
| Accurate Conclusions | Student formulates accurate conclusions that demonstrates depth & breadth of understanding utilizing scientific principles | Student formulates accurate conclusions utilizing scientific principles | Student inconsistently formulates accurate conclusions utilizing scientific principles | Student fails to formulate accurate conclusions utilizing relevant scientific principles |

Final
revision:
3/17/2020