**Learning Outcomes Matrix: Natural Science General Education Outcomes**

| **Learning Outcomes**  *What will students be able to do at the end of the course/sequence?* | **Learning Experiences**  *What learning experiences (e.g., assignments, in-class activities, homework, lectures, etc.) will contribute to student learning?* | **Assessing Learning Outcomes**  *What activities/assignments will you use to assess the learning outcome?* |
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| 1. Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding:    1. evolves based on new evidence    2. differs from personal and cultural beliefs |  |  |
| 1. Recognize the scope and limits of science. |  |  |
| 1. Recognize and articulate the relationship between the natural sciences and society and the application of science to societal challenges (e.g., health, conservation, sustainability, energy, natural disasters, etc.). |  |  |
| 1. Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information). |  |  |

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| 1. Participate in scientific inquiry and communicate the elements of the process, including:    1. Making careful and systematic observations    2. Developing and testing a hypothesis    3. Analyzing evidence    4. Interpreting results |  |  |
| Course Specific Outcomes: |  |  |
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