

## General Education Course Supplement: Natural Sciences

### Academic Affairs Committee

- Please fill out form if you are proposing for a current or new course to be considered to become a part of the SUNY General Education Framework for Natural Sciences.
- You will need to provide an updated Syllabus with this form that indicate that the course:
  - Is a General Education course
  - Includes the language from the Student Learning Outcomes below
- The completed form and syllabus should be submitted to [curriculum@esf.edu](mailto:curriculum@esf.edu) after receiving all signatures

### Contact Information

Proposer name:

Contact email:

Contact phone:

Department:

Course Prefix, Number and Title:

### Natural Sciences and Scientific Reasoning: Student Learning Outcomes

For each of the student learning outcomes, please provide please describe how course instruction will be designed to achieve these outcomes. Also please state how you assess that particular student learning outcome in your course.

Either a written narrative in paragraph form or a bulleted list will be accepted. For Natural Sciences and Scientific Reasoning, the student learning outcomes are:

*Students will demonstrate scientific reasoning applied to the natural world, including:*

- *An understanding of the methods scientists use to explore natural phenomena, including observation, hypothesis development, measurement and data collection, experimentation, evaluation of evidence, and employment of data analysis or mathematical modeling; and*
- *Application of scientific data, concepts, and models in one of the natural sciences*

**Student Learning Outcome 1:** An understanding of the methods scientists use to explore natural phenomena, including observation, hypothesis development, measurement and data collection, experimentation, evaluation of evidence, and employment of data analysis or mathematical modeling

Course Instruction will be designed to meet this outcome by:

Students will be assessed through:

**Student Learning Outcome 2:** Application of scientific data, concepts, and models in one of the natural sciences

Course Instruction will be designed to meet this outcome by:

Students will be assessed through: