

Natural Sciences Learning Outcomes

*Use this **interactive template** to *describe how* each of the specific learning outcomes will be addressed and assessed for this content/competency area. The description of methods of assessment must indicate how at least one assignment will allow students to demonstrate critical thinking, effective communication, or an understanding of issues of cultural diversity. The rubrics used by the General Education Program to assess those outcomes are available for review at <http://louisville.edu/provost/GER/rubrics>

Course I.D:

Course Title:

General Education Course Code (S, SL or B):

Natural Sciences (7 hours: lecture and lab in a single discipline; an additional 3 hours in a second discipline)

Natural Sciences are concerned with understanding the physical world through the scientific method. Students who satisfy this requirement will *demonstrate* that they are able to do all of the following:

1. Relate everyday observations of the world to physical principles.

Outcome (specify how this course meets the outcome stated above)

Assessment (means of assessment such as essays, quizzes, tests, homework, journals, group projects, class discussion, research papers, field work, service learning, independent study, etc.)

2. Apply scientific principles to construct explanations of natural phenomena.

Outcome (specify how this course meets the outcome stated above)

Assessment (means of assessment such as essays, quizzes, tests, homework, journals, group projects, class discussion, research papers, field work, service learning, independent study, etc.)

3. Communicate an understanding of scientific explanations of natural phenomena.

Outcome (specify how this course meets the outcome stated above)

Assessment (means of assessment such as essays, quizzes, tests, homework, journals, group projects, class discussion, research papers, field work, service learning, independent study, etc.)