

SCIENTIFIC LITERACY (SCI)



Learning Outcome

Upon completion of the Carolina Core, students will be able to apply the principles and language of the natural sciences and associated technologies to historical and contemporary issues.



Student Achievements

Students who achieve this learning outcome will be able to:

- ✓ Demonstrate understanding and use of the basic principles, concepts, and terms of the specific scientific discipline.
- ✓ Demonstrate and apply understanding of scientific method using observation, inquiry, formulation of hypotheses and experimentation to explain natural phenomena.
- ✓ Evaluate the relationships between science, technology, and society as these affect critical historical or contemporary issues.

BACKGROUND

Some of the critical issues facing society concern sustainability, the environment, energy, biotechnology, health and medicine, food and water, security, and defense. Informed citizens must understand both the principles and manner of thinking associated with technology and the natural sciences, whether chemical, physical, computational, environmental, or biological, enabling them to consider challenges and potential solutions and to engage in public conversations about these issues fully and thoughtfully.

Instructor Role

Your role is to select an assignment that could be scored by the [SCI Rubric](#), which measures the extent to which students meet the three student achievements discussed in the previous section. During the semester that your course is selected for assessment, you will administer the assignment, collect, and grade as usual. You will then submit the grades and assignments to OIRAA, which will then be scored by trained external reviewers using the SCI rubric. Assessment results will be returned after all SCI rating has been completed.



Submitting Assignments

Assignments will be primarily collected via Blackboard, however, alternatives to Blackboard are available. Options and instructions for submitting assignments are available on [OIRAA's Assessment Resources website](#).

Resources



The [Carolina Core website](#) has resources available to faculty and staff regarding the assessment process, including assignment guides and rubrics.