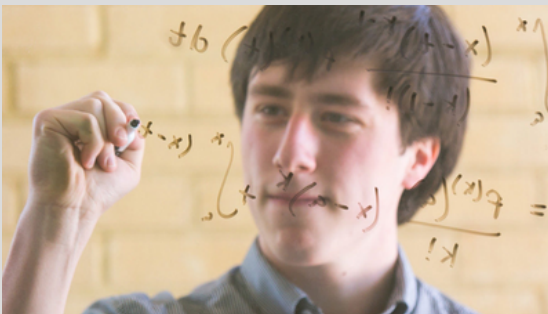


ANALYTICAL REASONING AND PROBLEM SOLVING (ARP)



Learning Outcome

Upon completion of the Carolina Core, students will be able to apply the methods of mathematics, statistics, or analytical reasoning to critically evaluate data, solve problems, and effectively communicate findings verbally and graphically.



Student Achievements

Students who achieve this learning outcome will be able to:

- ✓ Exhibit knowledge and appropriate application of principles, concepts, and terms of the discipline.
- ✓ Include mathematical (in a broad sense) modeling and/or problem solving involving quantitative relationships among the variables.
- ✓ Include appropriate quantitative methods and/or analytical principles to evaluate and solve problems, using technology where appropriate.
- ✓ Demonstrate an ability to evaluate, describe and interpret data.

BACKGROUND

Many of the complex problems facing individuals, families, organizations, communities, and society require both qualitative and quantitative analyses and responses. University of South Carolina students must be able to employ both qualitative and quantitative methods to recognize, analyze, and solve problems, and communicate findings and solutions verbally, symbolically, and visually.

Instructor Role

Your role is to select an assignment that could be scored by the [ARP Rubric](#), which measures the extent to which students meet the four 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 ARP rubric. Assessment results will be returned after all ARP 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.