

Quantitative Reasoning Improvement Plan

Fall 2017

During the 2015-16 academic year, the Learning Assessment Committee and the General Education–Quantitative Reasoning Work Group assessed quantitative reasoning skills at the General Education level at Harper College. [Results of the assessment were mixed](#), showing both positive results and areas for improvement. After reviewing [feedback gathered in FY 2017](#) as well as the Fall 2017 “Improving General Education Outcomes at Harper” [faculty survey](#), the Work Group developed the following Improvement Plan.

The Improvement Plan is designed to help faculty members improve quantitative reasoning skills among Harper students through embedded class exercises and other enhancements in pedagogy. In particular, the Plan focuses on use of quantitative reasoning concepts across the College, not exclusively in math and science courses. The Improvement Plan is also designed to increase student awareness of quantitative reasoning issues and resources.

A. Review of Other Assessment Evidence: Fall 2017

Review other evidence that can be used to inform faculty regarding students’ quantitative reasoning skills. This examination will include a review of course and program assessment results as well as indirect evidence from the Community College Survey of Student Engagement (CCSSE) and graduate follow-up surveys.

B. Faculty & Staff Communications: Fall 2017 and ongoing

Develop a resource page on the HIP to provide access to quantitative reasoning resources and assessment information. The resource page will provide materials that will provide faculty members with ideas for incorporating quantitative reasoning concepts across the College curriculum. To begin, the page will include the following materials:

- Results from the 2015-16 assessment and the review of other assessment evidence
- Online Resources for Teaching Reading and Interpreting Graphs Information Literacy
- Quantitative Reasoning assessment examples
- Workshop information and future dates: “Graphs and Tables are More than Just Pictures”

C. Student Communications: Fall 2017 - Spring 2018

Develop and disseminate an online quiz to increase knowledge of quantitative reasoning concepts and resources in a way that is fun and engaging for students. The quiz will engage students in topics related to graph reading and interpretation.

D. Future Assessment: FY 2019

Conduct a follow-up assessment of Quantitative Reasoning at the General Education level in FY 2019.

Questions? Contact Julie Ellefson-Kuehn, General Education-Quantitative Reasoning Work Group Chair at jellefso@harpercollege.edu or Faon Grandinetti in the Outcomes Assessment Office at fgrandin@harpercollege.edu.