University Assessment Committee
Outcomes Assessment Summary Form

This form is to be completed by a representative from each designated program/department. The information provided in this form will be used by the University of San Diego to inform stakeholder groups about USD's commitment to the intellectual, spiritual, and overall development of students. A Pdf version of this form will be posted on the University's Student Outcomes Website in the Evidence of Student Learning section.

Program Information
Program Name (e.g. BA Computer Science, PhD Nursing)
Mathematics

College/School Name (e.g. CAS, KSPS, SB, SMSOE)
CAS

Assessment Overview
Briefly share how student learning outcomes assessment is conducted within your program/department (e.g. number of outcomes, examples of assignments used, and frequency of assessment). See example below.

The mathematics program assesses five learning outcomes on a three-year cycle. These outcomes are summarized as working knowledge, proofs and arguments, algorithms, problem solving and mathematical communication. As a means of assessment, the program will look at student work on course exams and materials.

Results and Actions Taken
Assessment Cycle

2017-2018

Briefly summarize your assessment results and how you are using these results to enhance student learning and improve program quality. See example below.

We assessed learning outcome proofs and arguments in Math 380 - Geometry using three questions on the Fall 2017 final exam. In general the mathematical reasoning was sound and in some cases student struggle was observed around disproving mathematical statements.

We assessed learning outcome algorithms in Math 320 - Linear Algebra using a question on the Fall 2017 final exam. This computational question came easily to students.

We have not yet discussed the results of this year's assessment as a department, however our department has just created a new math and applied math major starting Fall 2019 and has undergone a program review. We plan to work closely with the CAS A-team and follow the recommendations communicated in our external review report on developing a new long term assessment plan for our new math and applied math major.