Math Center Assessment Plan Executive Summary

Mission

The Math Center will provide a supportive learning environment for students to become confident, independent learners of mathematical and computing sciences. The Center provides individualized tutoring as well as diagnostic assessments to help faculty and students better understand student learning and improve the efficacy of the mathematics, computer science, MSTI, and statistics curricula.

Goals

1. Provide students with high-quality individualized instruction in mathematical and computing sciences, including content in mathematics, computer science, MSTI and statistics.
2. Provide peer tutors with a valuable pre-professional experience in which they can deepen their own mathematical maturity and develop transferrable work skills as well as respect for diverse learning experiences.
3. Support the Math Skills Assessment initiative used in all entry-level math and MSTI courses, in which students are assessed on prerequisite skills necessary to be successful in these courses.
4. Support the Wegmans School of Nursing by administering a math screening test to undergraduates and transfer students applying to the clinical nursing program.

Data Collection Tools and Approaches

The Math Center employs both direct and indirect measures to assess the impact of their services on

(1) student learning, (2) the development of pre-professional skills for peer tutors, and (3) the instructional needs of faculty.

Surveys are conducted of all students visiting the Math Center asking them to rate their visit in order to assess usefulness. In addition, direct data about student readiness, such as pass rates, average scores, and number of attempts on the Math Skills Assessment are collected and analyzed. These results are then summarized to identify trends, inform curriculum decisions, and predict future needs. The Coordinator of the Math Center meets regularly with faculty from
the Department of Mathematical and Computing Sciences and from the Wegmans School of Nursing to ensure that their needs are met on a timely basis. In addition, peer tutors complete a self-assessment of their experiences that is then tied to their learning in MATH 290, a one-credit Tutor Training class required for all math tutors.

**Use of Evidence**

The Math Center Director uses the information collected to support changes in hours, services, and/or training for peer tutors. All assessment results are shared with the Deans, Program Directors, and Chairs in order to adjust content and/or services offered at the Math Center. Annual reports are submitted to the Educational Assessment Leadership Team and the Student Learning Outcomes Assessment Committee to help identify areas that are of college-wide interest for planning and budgeting.

For further information or questions regarding the Math Center, please contact the Coordinator of the Math Center, Anne Geraci, ageraci@sjfc.edu.