

Program Review Summary Page
For Academic & Student Support Programs

Support Program(s) Under Review Math Success Center

Term/Year of Review: Spring 2021

Summary of Program Review

A. Major Findings

1. Strengths

The Math Success Center facilitates tutoring services via many different forms, including in-person and online services, and planning needs.

The mathematics faculty expressed a great interest in the expansion of the Mastery Quizzes model in many math courses. Further research, training, and support for implementation is needed to address this need. Develop a plan to better utilize the skills of the math faculty by integrating the math instructors as a mastery level tutors at the Math Success Center.

3. Projected Growth, Stability, or Viability:

The Math Success Center plays a vital role supporting students in their mathematics classes. The data in Section I C shows that students that attend the Math Success Center perform significantly better in their math classes. This applies to both in-person and online services. In addition, the Math Success Center will continue to support the math department in implementation of AB705. The growth in ce

B. Program's Support of Institutional Mission and Goals

1. Description of Alignment between Program and Institutional Mission:

The Math Success Center is committed and acts as a necessary irreplaceable tool in order to improve student achievement in the mathematics courses. We offer our tutoring services to all Napa Valley College students ranging from the basic skills to the transfer level courses in addition to the career technical education and training.

2. Assessment of Program's Recent Contributions to Institutional Mission:

The assessment of students using the Math Success Center about their confidence level with the learned material revealed that the vast majority of students (90%) had indicated that they felt more confident with the mathematics materi

RPIE Analysis The number of students (headcount) served by the Math Success Center decreased 22.0% over the past two years, while the number of total contacts made to the Math Success Center decreased by 30.1% over the same period. The total number of minutes billable per person decreased by 31.4%.

*The figures reported in the table above pertain to person visits to the Math Success Center. The decrease in student access and visits to the Math Success Center-2020 (relative to 2019) was a result of the shift to the remote environment due to COVID in spring 2020.

In 2018-

In addition, the Math Success Center plays an important role with the AB705 implementation. Various workshops, mastery quizzes, tutoring help, and many other services are in place to assist the Mathematics department with the AB705 implementation. The hope is that the collaborative efforts of the Math Success Center and Math department can decrease equity gaps

C. Two-Year Performance Rates among Students who Visited the Math Success Center versus Those That Did Not

RPIE Analysis The table above reports the retention rates

II. CURRICULUM

This section does not apply to the Math Success ~~Cur.~~

III. LEARNING OUTCOMES

their own. As a result, learners feel more confident and independent in their studies and gain necessary skills needed to succeed in the college level mathematics course.

Assessment Year: 2018-2019

Criterion Met: Requires additional assessment

20% of students reported that they utilize the math center. Of the students who didn't use the center, 14% cited that they didn't know about it, 43% cited that they didn't have time, and 29% cited that they didn't need to. 26% of students were in favor of mandatory hours, 36% were unsure, and 37% were against it. (12/28/2018)

B. Summary of Learning Outcomes Assessment Findings and Actions

Students show more confidence in their mathematics skills when utilizing the Math Success Center. In addition, students gain necessary skills and study habits to successfully progress through their college mathematics courses and become independent learners. This shows that Math Success Center plays a significant vital role in math student's lives, positively affects their performance in mathematics classes, promotes intellectual independence and deeper understanding of the mathematics concepts.

Program Reflection:

Math Success Center will continue to assess the Program Outcomes on an appropriate assessment schedule.

IV. PROGRAM PLAN

Based on the information included in this document, the program is described as being in a state of:

- Viability
- Stability
- Growth

*Please select ONE of the above.

This evaluation of the state of the program is supported by the following parts of this report:

The Math Success Center plays a vital role in supporting students in their mathematics classes. The data in Section C shows that students who attend the Math Success Center perform significantly better in their math classes. This applies to both in-person and online services. In addition, the Math Success Center will continue to support the math department in implementation of the AB 705.

Complete the table below to outline a three-year plan for the program, within the context of the current state of the program.

Program: The Math Success Center
 Plan Years: 2022-2024

Strategic Initiatives Emerging from Program Review	Relevant Section(s) of Report	Implementation Timeline: Activity/Activities & Date(s)	Measure(s) of Progress or Effectiveness
Increase NVC student achievement and completion of educational and job training goals Engage NVC students and assist in their progress towards educational and job training goals	I C, IIIA	Mastery Quizzes. Continue the current Mastery Quizzes for math 106 and math 108; and expand the Mastery Quizzes model to other mathematics courses In addition, develop employee trainings, study guides, and support workshops	Regular SLO assessment in classes that utilize the Mastery Quizzes.

			services offered, and for budget and planning purposes
Strengthen the connection between math department and the Math Success Center	IC, IIIA	Develop a plan to better utilize the professional skills of the math faculty. Math faculty can serve as master level tutors of all levels of community college mathematics, hold workshops, facilitate individual and group tutoring sessions	Plan and develop

Describe the current state of program resources relative to the plan outlined above. (Resources include: personnel, technology, equipment, facilities, operating budget, training, and library/learning materials.) Identify any anticipated resource needs (beyond the current levels) necessary to implement the plan outlined above.

Note: Resources to support program plans are allocated through the annual planning and budget process (not the program review process). The information included in this report will be used as a starting point, to inform the development of plans and resource requests submitted by the program over the next three years.

Description of Current Program Resources Relative to Plan:

In a light of a great interest by the mathematics department in the expansion of the Mastery quizzes, the Math Success Center is in great need in bigger facilities and additional rooms that can be used for the Mastery Quizzes facilitation and private or group tutoring sessions.

In addition, during the peak in-person times, the Math Success Center is completely full and does not have enough room to assist every student that comes in. The Math Success Center needs bigger facilities, more floor space, and more employees.

With such great volume of students that attend the Math Success Center comes a need for an advance tracking software that can provide organized reports on the student's usage of the tutoring services, success, demographics, and for budget and planning reasons.

Currently, the Math Success Center staff consists of student tutors, Instructional Support Specialists (ISS), and a Donal Support () 10.6 (c0.6 (c0610.6 (c0.)0.9 (t)-4.8 (i).6 (c0..6 (c0.9 (h S)1.-4.8 (i)- (g)-8.33 Tw -3

V.

Feedback and Follow-up Form

Completed by Supervising Administrator

Robert J. Van Der Velde,
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Date:

4/19/2021

Strengths and successes of the program, as evidenced by analysis of data, outcomes assessment, and curriculum:

The Math Success Center is demonstrably an important ingredient to student success in Mai(e)-1 (91.6

Operating Budget	The Math Success Center lacks its operating budget, relying on the Math Department budget. Moreover, support for tutoring comes from a variety of sources, and should be a separate center budget center as recommended in successive unit plans.
Professional Development/ Training	
Library & Learning Materials	