

Program Review/Follow-up Transmittal

General Information

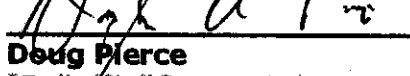
The attached report is (check one): Program Review (published every 4th year)
 Program Review Follow-up (submitted annually)


The report is submitted for the Academic Year (select one): 2009-10

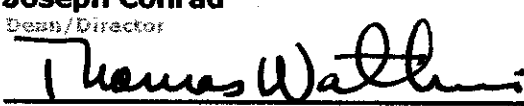
The report contains information on the follow unit(s) (enter names of all units/programs):
Math Activities Center

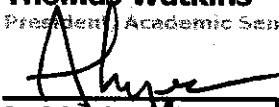
Report Abstract:


The MAC continues to serve students taking mathematics classes at the college. Attendance has grown since 2005 and now averages about 25,000 hours a semester. The MAC is now fully staffed and tutor wages have increased. The MAC facilitated the birth of a student Math club. Computer hardware and software has been upgraded over the past four years. Instructors are developing assignments designed specifically for the MAC.

Signature:  Date: 6/10/10
Doug Pierce
Faculty/Staff Representative

Signature:  Date: 6/10/10
Joseph Conrad
Dean/Director

Signature:  Date: 21 Jun 10
Thomas Watkins
President, Academic Senate

Signature:  Date: 7/1/2010
~~Robin Steinback~~ Agneso Reyes
Vice President

Signature:  Date: 7-13-10
Jowel Laguerre
Superintendent/President

Program Review & Analysis for Institutional Support Services

Math Activities Center (MAC)

Part I Outcomes

1. What are the Student Learning Outcomes (SLOs) and/or Service Area Outcomes (SAOs) for the unit? List each along with descriptions of the appropriate indicators of program success (i.e., measures of outcomes). Include both quantitative and qualitative measures.

Outcome(s)	Qualitative Measure(s)	Quantitative Measure(s)
Provide a positive environment to encourage students to work on and discuss math with one another.	Students are encouraged to work together at tables and in small groups.	A representative sample of students using the MAC will complete a short student satisfaction survey.
Provide students with an opportunity to receive guidance on math assignments and activities from instructors, staff and peer tutors in an informal, yet structured environment	The Math Activities Center is staffed each hour with an instructor, staff and student tutor(s)	Student hours in the Math Activities Center are recorded and incorporated into the grading for most math classes.

2. The specific SCC Strategic Direction and Goal(s) supported by this program:

- Obj 1.1:** Enhance attainment of educational goals by students
- Obj 1.2:** Improve basic skills attainment
- Obj 1.4:** Validation and improvement of student learning
- Obj 2.1:** The number of students served
- Obj 2.2:** Access and success of under-served populations
- Obj 2.4:** Student retention and persistence
- Obj 5.5:** Computer & information competency

Part II Analysis

1. Identify and explain the trends in:

Other - instructors, staff and student tutors provide assistance to students each hour the Math Activities Center is open. Tutor wages have increased 12% – 37% from 2002 – 2010 to attract and retain skilled tutors. The center is evaluated by students through surveys conducted each year. Instructors were surveyed in 2009.

Outcome Data – Attendance data has been collected each year for:

- The number of students attending – The Math Activities Center provides services to approximately 2,000 students each semester. Attendance increased 11.6% from Fall 2005 to Fall 2008.
- The number of logins – Students log into the MAC approximately 25,000 times each semester

- Average login time – The average login time is approximately one hour
- Total hours during each term – Approximately 25,000 student hours are recorded in the MAC each term

Hours in excess of those required are an indication of a positive environment and student satisfaction with the services provided.

2. How do the above trends relate to the factors and outcomes identified during the last review?

- a. The math department has supported faculty working in the Math Activities Center each semester
- b. The math department has supported hiring 10 – 12 student tutors each semester.
- c. The college has supported the continuation of full time staff in the Math Activities Center.
- d. Students have shown continued demand for the services of the Math Activities Center.

Part III Conclusions and Recommendations

1. What are the major accomplishments of the program during the past four years?

- Student tutor wages have been raised. This has improved tutor retention and quality of instruction. Small study groups in statistics and algebra basic skills have been offered to enhance retention. Computer hardware and software has been upgraded over the past four years. Basic skills students are now using the “ALEKS” software for basic skills.
- The Math Activities Center has encouraged the development of a Math club and initiated participation in the American Mathematical Association of Two-Year Colleges Student Math Contest. In spite of pressing budgetary demands, the computer lab technician position has been maintained. In addition to providing technical services, this is a critical instructional position providing direct help to students.

2. Based on the analysis above, are there any changes needed in order to meet program goals or to improve program effectiveness?

Instructors are developing Math Activities Center assignments to complement their in class activities. This should provide more structured activities for students in the MAC. Special consideration needs to be given to meeting the needs of basic skills students. This may involve changes to the current center, or additional programs and services.