

St. Petersburg College
Educational Outcomes Assessment:
General Education Outcomes Assessment
Action Plan Follow-Up and Evaluation Report

Current Date: December 05, 2006

Program/Option: Mathematics: Demonstrate effective mathematical skills emphasizing practical problem-solving and data interpretation;

Assessment Report Prepared By: Sharon Griggs

Follow-up Report Prepared By: Sharon Griggs

Date of Original Assessment Activity: 2004-2005

I. Status of each Action Plan items identified in original assessment activity:

	ACTION PLAN ITEMS	Original Date to Accomplish	Current Status	Explanation of Current Status
A	Enable Greater Student Success			
A1	Identify needs and address ways to improve overall student success			
	MLO #1 - Identify needs and address ways to improve overall student success;	12/2005	Completed	<ul style="list-style-type: none"> • Administered a college-wide common assessment • Disseminated results to Department Chairs and Faculty • Departments used the results to focus on areas that needed improvement.
	MLO #1 - Help students focus on applied problem solving, higher level learning, and critical thinking	05/2006	Completed	Faculty incorporate more project based assignments into courses.
	MLO #1 - Provide more open study sessions for students before exams	12/2005	Completed	<ul style="list-style-type: none"> • Campuses offer Saturday review sessions prior to the final • Course specific reviews are offered in the Learning Support Centers prior to exams • Course review materials are offered online • Online tutoring is offered to students 7 days a week
B	Enhance Curriculum & Faculty Development			
B1	Align curriculum with General Education Objective and/or Accreditation/National Standards of the discipline			
	MLO #1 - Align curriculum with General Education Objective and/or Accreditation/National Standards of the discipline American Mathematical Association for Two Year Colleges (AMATYC) and the Mathematics Association of America (MAA);	05/2006	Not Completed	<ul style="list-style-type: none"> • Reviewed textbooks • Based learning objectives on state objectives • Included increased technology
B2	Implement professional development for full time and adjunct instructors			
	MLO #1 - Implement professional development for full time and adjunct instructors e.g. critical thinking in the math classroom; promoting higher level learning; including more applied problem in the semester; Increase communication among faculty members to ensure consistency in curriculum	05/2006	Not Completed	<ul style="list-style-type: none"> • Been given critical thinking guides • Title III sponsored good workshops but, more are needed • Other groups did critical thinking as well
B4	Revise course content			

	MLO #1 - Revise course content: Review for the inclusion of items in A	05/2006	Completed	<ul style="list-style-type: none"> • Increased awareness of application problems, have seen overall improvement • Applied problems, the critical thinking process. Necessary to see important questions ahead of time throughout semester/tests • Tests show increased percentages
C	Improve Teaching and Learning Throughout the College			
C2	Communicate & collaborate with other areas of the college (eg. Counseling, library, etc.)			
	MLO #1 - Communicate & collaborate with other areas of the college e.g. learning support centers and math tutoring, online math tutoring, counselors, Office of Services for Students with Disabilities and others	12/2005	Completed	<ul style="list-style-type: none"> • Angel courses support online tutoring college wide • Communication with counselors improved with online SSS reports (Brother to Brother, Athletes) • Presentation by math faculty made to counselors on different courses available in department (i.e. blended, face to face, online) and the type of students best suited for that course • Counselor has been assigned to the CLW Math Dept. specific to math students' needs • For OSSD, ANGEL has allowed us to extend time on test for online quizzes and tests
C3	Other			
	MLO #1 - Provide practice tests and answer books to learning support center and provide more practice for students online	05/2006	Completed	<ul style="list-style-type: none"> • Provide practice online and for LSC through EDUSPACE, Course Compass campuswide, Smart thinking • Practice finals available online
D	Improve Assessment Methodology			
D4	Improve method of data collection & analysis			
	MLO #1 - Improve method of data collection & analysis: Include data collection of more students in more math classes as well as more online students	05/2006	Completed	<ul style="list-style-type: none"> • Collected a larger N • Added online students in MAC 1105 • Aware that each campus used a different method of administering the assessment
D5	Revise assessment instruments			
	MLO #1 - Revise/write the 5 question assessment which aligns with the General Education objective and the course major learning objectives for all the classes that will be assessed		Not Completed	Strongly encouraged not to change the assessment tool nor the means of assessment.
D6	Improve communications and instructions for faculty			
	MLO #1 - Improve communications and instructions for faculty	05/2006	Completed	<ul style="list-style-type: none"> • Faculty were given more instructions with more emphasis on importance of assessment • Assessments were available earlier in the semester • Faculty were informed of the means of assessment on each campus
D8	Make technology related improvements			
	MLO #1 - Give assessments online when possible	05/2006	Not Completed	MAC 1105 online was include in the assessment
D9	Other			
	MLO #1 - Compare results from various teaching methods – eCampus, vs. in-class traditvs. academic systems	05/2006	Not Completed	Have not collected information on self-paced, lecture, and online classes.

II. Plan for completing each action plan item that is not currently complete (include timeline):

	ACTION PLAN ITEMS	Current Status	Plan for Completion	Intended Completion Date
B	Enhance Curriculum & Faculty Development			
B1	Align curriculum with General Education Objective and/or Accreditation/National Standards of the discipline			
	MLO #1 - Align curriculum with General Education Objective and/or Accreditation/National Standards of the discipline American Mathematical Association for Two Year Colleges (AMATYC) and the Mathematics Association of America (MAA);	Not Completed	<ul style="list-style-type: none"> • Research MAA and AMATYC standards • Include MAA and AMATYC in packets given to instructors or on the web • Compare state objectives to MAA and AMATYC standards before the next 3 year review 	05/2007
B2	Implement professional development for full time and adjunct instructors			
	MLO #1 - Implement professional development for full time and adjunct instructors e.g. critical thinking in the math classroom; promoting higher level learning; including more applied problem in the semester; Increase communication among faculty members to ensure consistency in curriculum	Not Completed	<ul style="list-style-type: none"> • Better define a "critical thinking problem" • At least once a semester - activity period for across campus collaboration • Offer a "how to include more applied problems" workshops • Test preparation workshop • Workshops for all faculty 	05/2007
D	Improve Assessment Methodology			
D5	Revise assessment instruments			
	MLO #1 - Revise/write the 5 question assessment which aligns with the General Education objective and the course major learning objectives for all the classes that will be assessed	Not Completed	<ul style="list-style-type: none"> • In new assessment, have more variety of topics, not so statistics oriented • Question 2 on normal distribution in MGF 1106 - Students need to understand -low % • Question 2 on MAC 1105 - % reduction. More emphasis in new text on some campuses • MAC 1105 overall improvement on all five questions 	05/2007
D8	Make technology related improvements			
	MLO #1 - Give assessments online when possible	Not Completed	Assess online MGF 1106 as well	05/2007
D9	Other			
	MLO #1 - Compare results from various teaching methods – eCampus, vs. in-class traditvts. academic systems	Not Completed	Identify the type of class (online, lecture, self-paced) with student results.	05/2007

III. Evaluate the impact of the implementation of action plan items on program quality

We have learned that students need more work on application problems and graphs. We also need to emphasize estimation and test taking strategies. We need to provide a standard operating procedure for the administration of the assessment. We do not want to increase the types of classes assessed until we settle upon a new assessment method.

Approvals

Educational Outcomes Coordinator(s): Carol Weideman, Jesse Coraggio, Magaly Tymms - October 30, 2006

Director of IRE: Carol Weideman - November 27, 2006

VP Educational and Student Services: Stan Vittetoe - December 5, 2006