ALAMO COLLEGES

PALO ALTO COLLEGE

Developmental Mathematics Program Assessment **2010 - 2011**

#1	Developmental Mathematics Student Learning Outcome • Solve and graph linear equations, inequalities, and systems.
	Assessment Measure for this Outcome • Embedded questions on the final exams in Math 0303 (Intermediate Algebra). The scores on the relevant questions will be quantified for all students taking Intermediate Algebra. (The questions used for this learning outcome on the spring 2011 final are #1, #8, and #12.)
	Achievement Target for this Measure • The students will master 60% of the assessment questions.
	Findings: • The students attained an 75.0% mastery on question #1. • The students attained an 65.06% mastery on question #8. • The students attained an 61.36% mastery on question #12. • Overall, on questions 1,8, and 12, the students attained a mastery level of 67.14%
	Related Action Plans • The students exceeded our target mastery level by 7.14%. Mathematics faculty will be informed of this result and encouraged to continue emphasis of this student learning outcome throughout the developmental sequence of courses.
#2	Developmental Mathematics Student Learning Outcome Solve algebraic equations involving linear rational expressions, absolute value, radicals, or quadratics.
	Assessment Measure for this Outcome • Embedded questions on the final exams in Math 0303 (Intermediate Algebra). The scores on the relevant questions will be quantified for all students taking Intermediate Algebra. (The questions used for this learning outcome on the spring 2011 final are #2, #18, and #23.)
	Achievement Target for this Measure • The students will master 60% of the assessment questions.

	Findings • The students attained an 60.23% mastery on question #2. • The students attained an 22.44% mastery on question #18. • The students attained an 56.53% mastery on question #23. • Overall, on questions 2, 18, and 23, the students attained a mastery level of 46.4%
	Related Action Plans The students missed our target mastery level by 13.6%. Mathematics faculty will be informed of this result and faculty teaching Math 0303 will work together to improve the teaching of solving radical equations which was the content of question #18.
#3	Developmental Mathematics Student Learning Outcome Use and interpret function notation in algebraic and graphical contexts.
	Assessment Measure for this Outcome • Embedded questions on the final exams in Math 0303 (Intermediate Algebra). The scores on the relevant questions will be quantified for all students taking Intermediate Algebra. (The questions used for this learning outcome on the spring 2011 final are #21 and #22.)
	Achievement Target for this Measure • The students will master 60% of the assessment questions.
	Findings • The students attained an 73.01% mastery on question #21. • The students attained an 57.95% mastery on question #22. • Overall, on questions 20 and 21, the students attained a mastery level of 65.48 %
	Related Action Plans The students exceeded our target mastery level by 5.48%. Mathematics faculty will be informed of this result and faculty teaching Math 0302 and/or Math 0303 will be encouraged to continue emphasis of this student learning outcome.
#4	Developmental Mathematics Student Learning Outcome Solve appropriate application problems.

ALAMO COLLEGES

PALO ALTO COLLEGE

	Assessment Measure for this Outcome • Embedded questions on the final exams in Math 0303 (Intermediate Algebra). The scores on the relevant questions will be quantified for all students taking Intermediate Algebra. (The questions used for this learning outcome on the spring 2011 final are #13 and #25.)
	Achievement Target for this Measure • The students will master 60% of the assessment questions.
	Findings • The students attained an 32.1% mastery on question #13. • The students attained an 25.57% mastery on question #25. • Overall, on questions 13 and 25, the students attained a mastery level of 28.84 %
	Related Action Plans The students missed our target mastery level by 31.16%. Mathematics faculty will be informed of this result and faculty teaching any developmental course will work together to improve the teaching of this student learning outcome.