

Academic Year: 2011-2012

Program: Developmental Mathematics

Program Lead Faculty: Honey Kirk

Department Chair: Patrick Lee

#1	Developmental Mathematics Student Learning Outcome <ul style="list-style-type: none">Solve and graph linear equations, inequalities, and systems.
	Assessment Measure for this Outcome <ul style="list-style-type: none">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 2012 final are #1, #10, and #11.)
	Achievement Target for this Measure <ul style="list-style-type: none">The students will master 60% of the assessment questions.
	Findings: <ul style="list-style-type: none">The students attained an 73% mastery on question #1.The students attained an 57.3% mastery on question #10.The students attained an 60% mastery on question #11.Overall, on questions 1,10, and 11, the students attained a mastery level of 63.4%
	Related Action Plans <ul style="list-style-type: none">The students exceeded our target mastery level by 3%. 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 <p>Solve algebraic equations involving linear rational expressions, absolute value, radicals, or quadratics.</p>
	Assessment Measure for this Outcome <ul style="list-style-type: none">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 2012 final are

	#16, #19, and #24.)
	<p>Achievement Target for this Measure</p> <ul style="list-style-type: none"> The students will master 60% of the assessment questions.
	<p>Findings</p> <ul style="list-style-type: none"> The students attained an 69% mastery on question #16. The students attained an 42% mastery on question #19. The students attained an 65.1% mastery on question #24. Overall, on questions 16, 19, and 24, the students attained a mastery level of 58.5%
	<p>Related Action Plans</p> <p>The students missed our target mastery level by 1.5%. Mathematics faculty will be informed of this result and faculty teaching Math 0303 will work together to improve the teaching of solving radical equations with higher indices which was the content of question #19.</p>
#3	<p>Developmental Mathematics Student Learning Outcome</p> <p>Use and interpret function notation in algebraic and graphical contexts.</p>
	<p>Assessment Measure for this Outcome</p> <ul style="list-style-type: none"> 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 2012 final are #9, #21 and #22.)
	<p>Achievement Target for this Measure</p> <ul style="list-style-type: none"> The students will master 60% of the assessment questions.
	<p>Findings</p> <ul style="list-style-type: none"> The students attained an 78% mastery on question #9. The students attained an 58% mastery on question #21. The students attained an 48.3% mastery on question #22. Overall, on questions 9, 21 and 22, the students attained a mastery level of 61.4 %
	<p>Related Action Plans</p>

	The students exceeded our target mastery level by 1.4%. Mathematics faculty will be informed of this result and encouraged to continue emphasis of this student learning outcome throughout the developmental sequence of courses.
#4	<p>Developmental Mathematics Student Learning Outcome</p> <p>Solve application problems.</p>
	<p>Assessment Measure for this Outcome</p> <ul style="list-style-type: none"> • 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 2012 final are #12, and #25.)
	<p>Achievement Target for this Measure</p> <ul style="list-style-type: none"> • The students will master 60% of the assessment questions.
	<p>Findings</p> <ul style="list-style-type: none"> • The students attained an 37.3% mastery on question #12. • The students attained an 63.7% mastery on question #25. • Overall, on questions 12 and 25, the students attained a mastery level of 50.5 %
	<p>Related Action Plans</p> <p>The students missed our target mastery level by 9.5%. 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.</p>