

Unit Course Assessment Report - Four Column

San Mateo CCCD SKY Dept - Mathematics

Department Assessment Rick Hough
Coordinator:

Course Outcomes	Means of Assessment & Success Criteria / Tasks	Results	Action & Follow-Up
<p>SKY Dept - Mathematics - SKY MATH 120 - Intermediate Algebra - Algebra - Through real world applications, students will be able to create, manipulate, and interpret mathematical models of relationships involving linear, exponential, polynomial, radical, and rational functions. (Created By SKY Dept - Mathematics)</p> <p>Assessment Cycles: 2010-2011 2011-2012</p> <p>Start Date: 08/18/2010</p> <p>Course Outcome Status: Active</p>	<p>Assessment Method: 5 problems representing 5 different functions (linear, exponential, quadratic, rational, radical) given on final exam. Scored with a common 4 pt rubric.</p> <p>Assessment Method Category: Exam</p> <p>Success Criterion: For all five problems, at least 40% of students taking the exam will score an average of ≥ 3.5, at least 70% of students taking the exam will score ≥ 3, at least 80% of students will score ≥ 2</p> <p>Related Documents: Fall10_120_SLO1a_exam_n_rubric</p>	<p>05/01/2011 - 13.13% of students averaged at least 3.5; 24.75% of students averaged at least 3; 55.56% of students averaged at least 2</p> <p>Result Type: Criterion not met</p> <p>Reporting Cycle: 2010 - 2011</p> <p>Related Documents: 120SLO1Results_Fall2010</p>	<p>03/11/2011 - Math faculty meet to analyze results; potentially part of the issue is that "word problems" are not emphasized as much as symbol manipulation exercises. Collaborate on methods for finding time in class to focus on applications</p> <p>Action Plan Category: Use New or Revised Teaching methods</p> <hr/> <p>03/11/2011 - Too many problems in assessment; faculty complained that not enough of the final exam was locally controlled.</p> <p>Action Plan Category: Develop new evaluation methods</p>
	<p>Assessment Method: 4 problems representing 4 different functions (linear, exponential, quadratic, rational) given on final exam. Scored with a common 4 pt rubric.</p> <p>Assessment Method Category: Exam</p> <p>Success Criterion: For all four problems, at least 40% of students taking the exam will score an average of ≥ 3.5, at least 70% of students taking the exam will score ≥ 3, at least 80% of students will score ≥ 2</p>	<p>05/23/2012 - Criteria still not met, but results are much higher than the previous year. See dataSummary file for speculation on the reasons for the results.</p> <p>Result Type: Criterion not met</p> <p>Reporting Cycle: 2011 - 2012</p> <p>Resources Needed to Implement Action Plan: Release time to investigate and explore creative ways to engage students so that</p>	<p>05/23/2012 - Create a StatPath to help students get through the sequence quicker. For those who will still take 120, continue efforts to find ways to help students succeed.</p> <p>Action Plan Category: Revise course sequence or prerequisites</p>

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	<p>Related Documents: Fall11_120_SLO1_Directions Fall11_120_SLO1_ProbnRubric Fall11_120_SLO1_RawData Fall11_120_SLO1_DataSummary</p>	<p>they can put in the time/effort to manage complex material. Course/topic specific tutor training to zero in on specific issues.</p>	
<p>SKY Dept - Mathematics - SKY MATH 120 - Intermediate Algebra - Rule of 4 - Students will recognize, apply, and interpret multiple representations (graphic, symbolic, numerical/data, verbal/applied) of functions and their applications. (Created By SKY Dept - Mathematics)</p> <p>Course Outcome Status: Active</p>	<p>Assessment Method: 4 pt rubric Assessment Method Category: Exam</p>		
<p>SKY Dept - Mathematics - SKY MATH 120 - Intermediate Algebra - Problem Solving - Students will develop skills and attitudes for effectively solving problems at an intermediate algebra level. (Created By SKY Dept - Mathematics)</p> <p>Course Outcome Status: Active</p>	<p>Assessment Method: 4 pt rubric Assessment Method Category: Exam</p>		