

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 811 - Pre-Algebra - Number Sense - Perform the four basic arithmetic operations with whole numbers, decimals, fractions and signed numbers and apply their knowledge of these basic operations to set up, estimate solutions and solve related application problems that are part of their daily lives. In addition, they will be able to analyze the relevance of the solution. (Created By SKY Dept - Mathematics)</p> <p>Course Outcome Status: Active</p>	<p>Assessment Method: Selected common final exam problems scored using a 4-pt scale rubric. Assessment Method Category: Exam Success Criterion: >=5% of students score an average of 4, >=30% of students score an average of >=3, >=70% of students score an average of >=2 Related Documents: Assessment_Items_811_fa08.pdf</p>	<p>05/01/2009 - 57.3% score 4, 69.8% score at least 3, 80.9% score at least 2 Results also looked at in the following way: Instead of % achieving an individual score, we looked at what % of individual students scored at particular levels.</p> <p>Results: 30.6% of students scored at least 90% on 8 items 52.8% of students scored at least 80% on 8 items 75% of students scored at least 70% on 8 items</p> <p>Result Type: Criterion met Reporting Cycle: 2009 - 2010</p>	<p>03/11/2009 - Changes planned for rubric: Put units in answer and simplify fractions.</p> <hr/> <p>03/11/2009 - Adjust wording on instructions in the book and on exams to include "Include appropriate units" and "write fractions in simplified form"</p>
	<p>Assessment Method: Take-home portfolio questions scored with a 4 pt rubric OR Homework completion scored with a homework grade. Assessment Method Category: Portfolio Success Criterion: At least 70% of students average 2.4 on rubric OR At least 70% of students score at least 80% on homework score</p>		
	<p>Assessment Method: Self Evaluation of their ability to solve problems- students use 4 pt rubric to score Assessment Method Category: Other</p>		

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	Success Criterion: 100% of students score an average of at least 2.4 on rubric		
SKY Dept - Mathematics - SKY MATH 811 - Pre-Algebra - Proportional Reasoning - Apply Proportional Reasoning to solve related problems including ratios, rates, proportion, percent and conversions of units and their applications. (Created By SKY Dept - Mathematics) Start Date: 08/19/2009	Assessment Method: Selected common final exam problems scored using a 4-pt scale rubric. Assessment Method Category: Exam Success Criterion: >=5% of students score an average of 4, >=30% of students score an average of >=3, >=70% of students score an average of >=2		
Course Outcome Status: Active	Assessment Method: Take home problems scored using a 4 pt rubric with three categories Assessment Method Category: Portfolio Success Criterion: At least 90% of students participating in assessment process will receive a score of at least 3 Related Documents: Assessment_Items_811_fa08.pdf	05/13/2010 - ID: 26% at least 3 Analysis: 68% at least 3 Synthesis: 24% at least 3 Result Type: Criterion not met Reporting Cycle: 2009 - 2010 Related Documents: Results_Fall09_SLO2b_811	05/13/2010 - Re-write assignment directions to make them more clear; don't have projects in the same semester as portfolio assessment - too overwhelming!
SKY Dept - Mathematics - SKY MATH 811 - Pre-Algebra - Geometric Reasoning - Design simple geometric projects, such as for home improvement, and perform the necessary steps to calculate appropriate design specifications. (Created By SKY Dept - Mathematics) Assessment Cycles: 2010-2011	Assessment Method: Selected common final exam problems scored using a 4-pt scale rubric. Assessment Method Category: Exam Success Criterion: >=5% of students score an average of 4, >=30% of students score an average of >=3, >=70% of students score an average of >=2		
Course Outcome Status: Active	Assessment Method: Projects scored with 4 pt rubric. Assessment Method Category: Capstone Assignment/Project Success Criterion:	05/01/2011 - 22.86% scored 4; 68.57% scored at least 3; 94.29% scored at least 2 Result Type: Inconclusive Reporting Cycle:	03/21/2011 - Continued collaboration among faculty. Develop method for working on problem solving and project completion throughout the semester

Course Outcomes	Means of Assessment & Success Criteria / Tasks	Results	Action & Follow-Up
	>=40% of students will score >=3.5; >=70% of students will score >=2.5 Related Documents: 811_Fall2010_ProjectRubric	2010 - 2011 Related Documents: 811_Fall2010_Geom_Results	rather than only at the end. Action Plan Category: Use New or Revised Teaching methods