Colorado State University – Pueblo **Undergraduate Program Assessment Report for AY 2010-2011** **Due June 1, 2012**

Program: Mathematics **Date:** July 9, 2012

Completed by: Frank Zizza

Please complete this form for each undergraduate program (e.g., B.A., B.S.) in your department and return it to Erin Frew, erin.frew@colostate-pueblo.edu as an email attachment before June 1, 2012. You'll also find the form at the assessment website at http://www.colostate-pueblo.edu/Assessment/Resources/Pages/default.aspx. Thank you.

I. Program student learning outcomes (SLOs) assessed in this cycle, processes, results, and recommendations.

A. Which of the program SLOs were assessed during this cycle?	B. When was this SLO last assessed?	C. What method was used for assessing the SLO?	D. Who was assessed?	E. What is the expected achievement level and how many students should be at it?	F. What were the results of the assessment?	G. What were the department's conclusions about student performance?	H. What changes/improvements are planned based on this assessment?
1. Students will have facility in the core mathematical content areas: calculus, algebra, and other additional topics. 2. Students will formulate and solve problems using mathematics, working alone or with others at the three cognitive levels: routine problems, non-routine problems and applied problems. They will also be able to formulate and solve applied problems involving applications to other fields and problems involving real-world data.	Last year	MFT in Math	All seniors graduating in December 2011 and May 2012	Overall and in the content and cognitive breakdown areas of the MFT, ninety percent of CSU – Pueblo mathematics majors will score at or above the 50th percentile on the MFAT standardized exam.	Six of nine students scored in the top 50th percentile overall. Three students did not. Thus 67% of the students met the criteria. The goal is 90%. Given the way the results are reported, it was not possible this year to analyze the subgroup areas because when less than 5 students take the exam, those subcategories are not reported by the ETS. The 9 students taking this round of exams were evenly split between the two semesters.	The results will be presented to the faculty at the department meeting during Convocation Week.	None at this time. The topic will be revisited in the fall 2012 semester.

B. Follow-up (closing the loop) on results and activities from previous assessment cycles. In this section, please describe actions taken during this cycle that were based on, or implemented to address, the results of assessment from previous cycles.

A. What SLO(s) did you address?	B. When was this SLO last assessed?	C. What were the recommendations for change from the previous assessment?	D. Were the recommendations for change acted upon? If not, why?	E. What were the results of the changes? If the changes were not effective, what are the next steps or the new recommendations?
Items 1 and 2	Last year	None		

Comments:

1. No substantial problems have been revealed from the recent results of the MFT. Most students perform well in all the categories.

2. There is another mathematics program assessment, the capstone course. The capstone course was scheduled for the spring 2012 semester, but there were few students that enrolled and the course had to be cancelled due to the very low enrollment. The department anticipated this and we believe that the best alternative is to have the capstone course as a requirement for the major. We are considering that option, but it will not have an immediate impact on students.