

Program: Physics

Date: July 9, 2012

Completed by: Dr. Frank Zizza (chair Physics/Math)

Please complete this form for each undergraduate and graduate program (e.g., B.A., B.S., M.S.) in your department and return it to Erin Frew, erin.frew@colostate-pueblo.edu as an email attachment before June 1, 2011. 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?
SLO's #1 and #2 were assessed using the MFT in Physics. #1 Think critically and logically and use the scientific method in future investigations. #2 Understand and apply knowledge of the various subfields of physics at the undergraduate level.	I do not believe it has been assessed prior to these test results.	MFT in Physics	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 physics majors will score at or above the 50 th percentile on the MFAT standardized exam.	One of four students scored in the top 50 th percentile overall. Three students did not. Thus 25% of the students met the criteria. The goal is 90%.	This remains to be discussed in a department meeting.	This remains to be discussed in a department meeting.

Comments:

There were five graduates with BS Physics degrees during 2012. All assessment is driven by student products (MFT and student research reports). At this time, the only available student outcomes are the MFT results. A summary of student research reports will be on the fall agenda with the department members involved.

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?

Comments:

This is the first year there have been MFT results of any significance.