

Program: M.S. in Industrial & Systems Engineering

Date: 5-18-2012

Completed by: H. SARPER

Please complete this form for each undergraduate, minor, certificate, 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, 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? Please include the outcome(s) verbatim from the assessment plan.	B. When was this SLO last assessed?	C. What method was used for assessing the SLO? Please attach a copy of any rubrics used in the assessment process.	D. Who was assessed? Please fully describe the student group.	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 to the <u>program</u> are planned based on this assessment?
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Apply fundamental industrial engineering knowledge in the areas of facility planning and design and operations planning and control,	April 2012	Completed M.S. theses and/or Projects were studied. In addition, exit surveys were also used.	The graduates of the MSISE program in the past 24 months.	As indicated in our assessment plan, 90% of the graduates had to meet this SLO.	This outcome was not met fully (at 90% and above) because some theses and projects did not use these two areas.	Overall, students did well.	This SLO is important and every student takes courses in this area, but it appears that it is not commonly chosen for thesis or project work. We need to reconsider the assessment activity for this SLO.
Use fundamental industrial engineering tools including optimization and simulation	April 2012	Completed M.S. theses and/or Projects were studied. In addition, exit surveys were also used.	The graduates of the MSISE program in the past 24 months.	As indicated in our assessment plan, 90% of the graduates had to meet this SLO.	This outcome was fully met.	Overall, students did well.	This was probably overachieved. No change is needed.
Apply a broad range of other industrial engineering and general engineering knowledge	April 2012	Completed M.S. theses and/or Projects were studied. In addition, exit surveys were also used.	The graduates of the MSISE program in the past 24 months.	As indicated in our assessment plan, 90% of the graduates had to meet this SLO.	This outcome was fully met.	Overall, students did well.	No Change.
Apply a set of specialized knowledge and tools in some area within or related to	April 2012	Completed M.S. theses and/or Projects were studied. In addition, exit surveys were	The graduates of the MSISE program in the past 24 months.	As indicated in our assessment plan, 90% of the graduates	This outcome was met, but at a lower rate than 90%.	Overall, students did well.	Most theses and projects met this SLO, but this SLO should be better defined for more accurate evaluation.

industrial engineering		also used.		had to meet this SLO.			
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Comments: Rubrics to evaluate theses and projects could not be completed in time, but we are confident that a very thorough evaluations were carried out. Our assessment activity tools also includes an exit survey. We do use that regularly. A sample survey is shown below.

MSISE Exit Interview

Name:

Date:

How did you hear about the MSISE at CSU-Pueblo?

What other schools and/or degrees did you consider?

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What could be done to make the MSISE Program at CSU-Pueblo more attractive to potential students in the same circumstance you were when you began?

How was the experience of being a new MSISE student?

What do you think of the degree and education you received at CSU-Pueblo?

What are your future plans?

How do you feel your degree and education have prepared you for your intended career?

How do you feel that your education could have been improved?

What's the worst thing that happened to you since you got here?

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? Please include the outcome(s) verbatim from the assessment plan.	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: We did not do an assessment lat year. Hence, Part B can not be completed at this time.