Assessment, Improvement, Measurement (AIM): 12/19/2013

Plan Year: 2011-2012
Unit: Computerized Mfg. & Machining - Lexington
Coordinator(s): Danny Roberts, Karman Wheeler, William Franklin, Paul Turner
Reviewer: Paul Turner

Program Health Review: Use the Annual Program Health Review to evaluate student achievement and, if warranted based upon analysis of the results, make program changes to improve student achievement.

Identify expected student learning outcomes, assess the extent to which these outcomes are achieved, and provide evidence of improvement based on analysis of the results.

Measure Text: PROGRAM HEALTH REVIEW - LEVEL 1
1. Program Health Review - Refer to the attached Annual Program Summary for longitudinal information related to enrollment, graduates, employment, employer and alumni satisfaction, and licensure pass rates.
2. Student Learning outcomes
Three student learning outcomes – Plan an assessment for each outcome identified, and assess the extent to which these outcomes are achieved, and provide evidence of improvement based on analysis of the results.
Achievement Target: Program Health Review Target - Maintain a level 1 assessment with comments from program coordinator, assistant dean, dean and vice president according to attached time schedule.

Student Learning Outcome Target - Student learning outcomes are identified, assessed on level of achievement, and evidence of improvement are provided based on analysis of the results according to the attached time schedule.
Results: Program Coordinator: (see attached document)
1. Strengths of the Program
1. Strengths: Even with the economy and industry having declined in the last two years, we are still receiving calls from employers and placing students in jobs. Our industry relations still remain strong we have a very personal relationship with our advisors and communicate often on an informal as well as formal basis. With Perkin's funding and additional money from the college we have been able maintain and even add new technology to the lab. Full time enrollment has increased this year and retention for this year is 80% compared to last year's 30%. We had three completers last year and are projecting nine this year. We continue to build diversity in the program by adding female and minority students. We are pursuing contacts with the University of Kentucky to attempt to receive credit for some of our courses; this credit will allow us to attract pre-engineering and dual credit students from Fayette County schools. We are also working with area center schools to arrange tours and workshops and the Danville campus for dual workshops with JCTC.

2. Items Requiring Continued Attention
2. Items requiring Continued Attention: Enrollment numbers still need to be improved, industry is beginning to improve and will need increasing numbers of graduates in the future. With extra money made available from the college we have all the machines in the shop working for student use, expect one and we requested Perkins funds to replace this machine.

3. Document and provide evidence indicating how last year's program review resulted in improvements in the program/department.
We have added more projects to the evaluation list. These additions will help to assure program accountability by measuring the overall class success on task measured performance. Communication was improved, and AdvisorTrac was added, within the college to better advise students on their options regarding the timeline for taking technical and general education classes. This has helped enrollment and retention by placing students in the program at the proper time and the proper sequence.
AD Comments: The program has been able to increase enrollment and retention but needs to continue and increase efforts to build a stronger enrollment. Danny has worked with UK to develop an articulation agreeement for Mechanical Engineering students and has been to some high schools for recuitment. As with other programs, we continue to need funding to bring technology up to date. We have been able to improve over the last few years in new equipment as well as repairing other equipment so that students will be able to perform industry specific activities.
Dean Comments: : the leestown machine tool program has struggled to maintain a high number of students. Faculty need to continue attending career fairs and high schools to build their enrollment. Faculty knowledgeable and working to increase enrollment.
VP Comments: We should not be struggling with numbers in this program given the industrial base in Lexington. This program has had a Level II Program Health Review and has improved due to this review. This improvement needs to continue and the pace of this improvement needs to quicken.
Target Results:
Findings: