Course Assessment- Part B: Your Results & Analysis

#84

Your Email *	
Please select your course & name from the list. Contact Instructional Services if your course or name are incorrect or missing.	MEC 121 Mechanical Power 1 – Lieurance
Results 1a. Report the outcome achievement data gathered via the assignments, test, etc. you identified in question 3 of your Part A. *	Students were tested on the material presented in class, on line, and in the book. Testing was done using written and hands on lab methods.
1b. Report the percentage of students who mastered each outcome that you identified in question 3 of your Part A.	Apply basic mechanical principals to troubleshoot and repair mechanical problems.
Outcome #1 *	
% of students who successfully achieved the outcome: *	100
Outcome #2 *	Differentiate between types of nuts, bolts, fasteners, gears, bearings, lubrication, and other pieces of machinery involved in the construction and operation of wind turbines and industrial mechanical equipment.
% of students who successfully achieved the outcome: *	100
Outcome #3 *	Understand the physics of kinetic energy transfer from wind to blade to generator, and compute energy loss caused by mechanica friction and electrical resistance.
% of students who successfully achieved the outcome: *	100
Reflect on you assessment results and provide analysis, considering what contributes to student success and/or lack of success. Include feedback from student course evaluations as appropriate. *	Lots of oooo's and Ahhhhh's when they opened up mechanical equipment. The hardest part is getting it put back together. The combination of knowing what to expect, thinking, and seeing a project through to the end is what the labs are about. Usually the hardest part is not letting them give up half way through the project. I tell them that when they are working on a piece of million dollar equipment there is no one else that will put it back together but you. Buck up and do it right.
Based on your analysis in the questions above, what course adjustments are warranted (curricular, pedagogical, etc.)?	I could do more with more industrial equipment.

What resources would be required to implement your recommended course adjustments (materials, training, equipment, etc.)? What Budget implications result? *

More industrial equipment and tools.

Were your assessment methods accurate indicators of student learning? Why or why not? Any additional comments?

yes, They were assessed over the material we covered in class

(OPTIONAL) Reflect on any adjustments you made from the last assessment of this course and their effectiveness in student achievement of outcomes?

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