

**DEPARTMENT OF MECHANICAL ENGINEERING, IUPUI
FACULTY FEEDBACK FORM FOR COURSE OUTCOMES SURVEYS**

Note: This form is to be completed and submitted to the department by instructors at the end of each semester based on the survey results of courses taught. It is designed to monitor student learning, keep track of progress and changes made in the program, and allow faculty reflect upon the results. The survey results may be viewed from the department's survey database at <http://www.engr.iupui.edu/me/assessment/fsurveys.shtml>. The completed form is to be emailed to hakay@iupui.edu (note: first save the file locally then email as an attachment).

Course: ME 372	Year: 2006	Fall
Instructor: El-Mounayri	Survey Average: 3.13 (Out of 5)	Faculty Average: 3.67 (Out of 5)

1. List the outcomes that did not meet the Department's current threshold of 3.75 out of 5.0 and explain the reasons. If all or most outcomes in your course are equal to or above 3.75, please reflect upon on the lowest two or three. Please state the outcomes as fully as possible, as in the course outcomes list, with the numbers same as on the list.

All outcomes:

1. Identify the mechanisms that meet the given engineering requirements [e]
2. Describe the necessary assumptions in sizing mechanism elements [a4]
3. Apply proper engineering principles and theories to solve open-ended design problems [a4]
4. Perform kinematical and dynamic analyses using both graphical and analytical techniques [a4]
5. Perform mechanism analysis and simulation using computer tools [k1]
6. Evaluate the performance of mechanical designs [b, d]
7. Design linkages, cams, gears and other machine elements for both motion and force requirements [c1].
8. Communicate design work through written report and oral presentation [g]
9. Explain the potential of designed mechanical systems on environment and society, including safety [h]

It is not clear how many students have completed the survey. A small turn (in a small class) could be one of the reasons why the overall all as well as the individual scores are noticeably lower than previous semesters.

Some of the course outcomes refer to topics that are covered to a far less extent than those of other outcomes. This disproportion might impact the evaluation as (some) students could assume relatively equal course content / in-depth coverage for each outcome.

2. Were there any changes made to the course during the semester? If so, explain.

No

3. Are there any recommendations for improvement?

A Hard look at the course outcomes is necessary at this point.

On the other hand, the clear deficiency in outcome 5 should be addressed by revising the course content and projects' objectives and requirements. The deficiency in outcome 9 needs to be addressed by taking a close look at the computer lab syllabus and schedule. The lab instructor will need to work with the course coordinator for that matter.

4. Additional reflections/suggestions for assessment?

Please email to: hakay@iupui.edu. Thanks.