

**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 cwooton@iupui.edu (*note: first save the file locally, then email as an attachment*).

Course: ME 270	Year: 2007	Semester: Spring
Instructor: Bouthier	Survey Average: 4.2 (Out of 5)	Faculty Average: 4 (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.

Moments of inertia and products of inertia (3.67 / 5.0)

- Student comments indicate that setting up the direct-integration moments of inertia problems was the real issue. Because of the calculus details in solving these problems, not enough time was spent on the problem set-up. In retrospect those comments are probably accurate. I should have spent more time setting up problems rather than solving them all the way through.
- The main problem with products of inertia probably lies in the physical interpretation of the quantity itself and how it relates to something tangible in everyday life. In retrospect, I might use an example from dynamics and demonstrate fundamental differences in how a body with a product of inertia w.r.t. a given set of axes behaves.

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

no

3. Are there any recommendations for improvement?

Yes, see suggestions in question 1 above.

4. Additional reflections/suggestions for assessment?

Please email to Courtney Wooton at cwooton@iupui.edu. Thanks.