

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

Note: This form must 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 may be sent to the assessment database of the department via e-mail at: **hakay@iupui.edu**.

Course: ME 330 Modeling and Analysis of Dynamic Systems	Year: 2005	Semester: Spring
Instructor: Peter O. Orono	Survey Average: 3.88 (Out of 5)	

- 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.

7. Derive the State-Space equations for dynamic system whose linear ordinary differential equations are given [e]. Avg. outcome score 3.36.

This was the last topic covered in classroom discussions. Did not spend much time solving numerical examples.

8. Obtain the eigenvalues and eigenvectors of simple matrices with real elements using MATLAB [k4]. Avg. out come score 2.10.

I did not cover this matlab exercise during the semester, spent more time on other topics and ran out of time before the semester ended.

9. Obtain the frequency response of first and second order systems using MATLAB [k4]. Avg. outcome score 3.59.

10. Simulate linear and nonlinear dynamic systems using MATLAB, and present the results in the time domain, or the frequency domain, or the phase space [k4]. Avg. outcome score 3.73. Matlab simulation was covered for time domain and frequency domain, while the phase space was not covered sufficiently.

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

I did not make any planned changes during the semester.

3. Are there any recommendations for improvement?

As shown by high scores in the remaining outcomes, I spent most of the time covering the theoretical material of the course that is basic to the class. I would therefore focus on making sure sufficient time is devoted to the MATLAB simulation portion of the class, including additional MATLAB assignments. This is the area that had low scores.

4. Additional reflections/suggestions for assessment?

The average scores by the students and the Instructor were almost identical, which would indicate the assessment appears to be a good measure of the course. I would suggest however some incentives be given for more student participation.

Please e-mail to: [hakay@iupui.edu](mailto:hakay@iupui.edu). Thanks.