

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

Course: ME314	Year: 2007	Semester: Spring
Instructor: S.S. Krishnan	Survey Average: 3.77 (Out of 5)	Faculty Average: 3.82 (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.

5. Calculate the rate of mass diffusion in one-dimensional problems, without bulk motion effects. (3.33)

Mass diffusion was covered to a limited extent in view of the difficulty of material. Videos or demonstrations in this area will help.

11. Calculate and use the view factor for simple surface combination, and the total emissivity for surfaces. (3.33)

The experimental lab did not function properly for this section. Had it worked properly it would have given a good demonstration of this portion of the course.

7. Estimate convective transfer rates on the basis of geometric and dynamic similarity, and analogy between different heat and mass convection processes. (3.56)

This is highly algebraic involving a number of variables related to heat and mass convection and there is little time to go deep into these problems.

9. Explain how radiation can be described based on its wavelength, source, and direction, and explain the basic concepts of blackbody radiation, reflectivity, emissivity, and absorptivity of surface radiation. (3.56)

This section involves a number of variables and students have a hard time assembling all the information and using them in a short time. Exercises geared towards making students read the material ahead of time will help.

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

Yes. Two lecture hours were canceled due to bad weather and this affected the flow of the course material adversely.

- Are there any recommendations for improvement?

As suggested above.

- Additional reflections/suggestions for assessment?



Please email to Courtney Wooton at [cwooton@iupui.edu](mailto:cwooton@iupui.edu). Thanks.