

Department of Mechanical Engineering  
 Student Survey on Course Coverage of ABET Outcomes (Spring 2005)

Instructor: M. Kotic

Course: **MEE 340**

For each ABET outcome that should be covered in this course, according to the dept., please estimate the number of hours In Class and Outside Of Class for each of the ABET outcomes.

- In Class refers to classroom assignments, presentations, tests, quizzes, etc., which is performed or accomplished in the class setting during the class time.
- Outside Of Class refers to homework, projects, laboratory reports, study time, etc., which is not done in the class setting during class time.
- Time can be counted multiple times if the activity involves multiple outcomes.
- Use only one decimal place for the hours. (Example: 2.5)

ABET Outcome Sections:	Hours Per Semester	
	In Class:	Outside Of Class:
a) Ability to apply your knowledge of mathematics, science and engineering. Specific activities: <b>Lectures emphasize physical concept, its math description and problems/examples solving for all covered chapters (1-9 &amp; 11)</b>	<b>26</b>	<b>78</b>
c) Ability to design a system, component, or process to meet desired ends. Specific activities: <b>Emphasize some design application of chapter's topics and several design-related discussions/problems/examples</b>	<b>3</b>	<b>9</b>
e) Ability to identify, formulate, and solve engineering problems. Specific activities: <b>Procedure with actual problem/example solving and review of homeworks for all covered chapters (1-9 &amp; 11)</b>	<b>13</b>	<b>39</b>
g-1) Ability to communicate effectively (in writing). Specific activities: <b>small emphasize through discussions and homework.</b>	<b>3</b>	<b>9</b>
h) Broad education to understand the impact of engineering solutions in a global and societal Specific activities: <b>small emphasize of importance of technical applications on society and more globally on environment</b>	<b>3</b>	<b>9</b>
j) Knowledge of contemporary engineering issues. Specific activities: <b>minimal coverage during chapter topics</b>	<b>1</b>	<b>3</b>
k) Ability to use the techniques, skills, and modern engineering tools necessary for eng. Specific activities: <b>Used Web/electronic materials and encouraged use of MathCAD, Excel and Fluent FlowLAB demonstration and homework</b>	<b>6</b>	<b>15</b>
List additional outcomes: if not included above		
I feel my previous engineering, math, & science classes prepared me adequately for this class.	Yes <input type="radio"/> No <input type="radio"/>	
I transferred to NIU from another college or university.	Yes <input type="radio"/> No <input type="radio"/>	
My academic standing at the beginning of this semester.	0-29 <input type="radio"/> 30-59 <input type="radio"/> 60-89 <input type="radio"/> 90-135 <input type="radio"/> Grad <input type="radio"/>	
Hours Completed:		

**Course Coverage Section:**

Course Description:

**MEE 340. FLUID MECHANICS (3).** Introduction and fundamentals of fluid statics, integral form and control volume analysis, differential analysis and potential flow, incompressible viscous internal and external flow, and compressible flow.

Please estimate the percentage (%) of course subjects, as defined above in the course description, that has been covered. **100** %

If not 100% covered, list the subjects not covered.

Please use the bottom of page for any course-related comments that you'd like to make. Thank you.

**Procedure of Conducting ABET Outcome Survey**  
**Department of Mechanical Engineering**  
**4/27/05**

1. There are two ABET outcome surveys: one for instructor and one for students.
2. The instructor survey form should be filled out by the instructor and returned to ME office.
3. The student survey should be conducted by the instructor, although the instructor may ask the ME office to conduct it if he/she is not able to do so.
4. It is recommended that the instructor should go over the activities of each outcome immediately before the survey.
5. The instructor should leave the room for five minutes for the students to fill out the forms and give them to a designated student.
6. The designated student should return the form to ME office immediately after the class.