

Table D6 General Student Survey

Circle Your Class Level :	FR	SOPH	JR	SR	
Number of Years as a Student in the ISU College of Engineering:	1	2	3	4	5
Number of Years as a Student in the IMSE Department:	1	2	3	4	5

The Department of IMSE will undergo an accreditation visit by the Accreditation Board for Engineering and Technology (ABET) in the Fall of 2000. One of the key portions of the accreditation process is program outcomes assessment for the purpose of improvement. In order to improve the effectiveness of our degree program in engineering, we need your help in assessing the level to which some of our student-related objectives have been attained. Your assessment should be based on a self-analysis of your experiences with the various items listed below. Only the resulting averages and general conclusions will be shared with ABET. Your class level is requested only to allow us to correlate demographic data with your response. Thank you in advance for your cooperation.

Please circle the number that best describes your assessment with regard to each of the following statements. Circle "NA" in those questions where it is given as an option if the statement is not applicable to you or if you have no opinion.

1. The approximate total number of credits you have completed to date:

15 30 45 60 75 90 105 120 135+

2. The approximate number of credits completed to date in IE courses:

15 30 45 60 75 90 105 120 135+

3. The approximate number of times you see your academic advisor each semester:

0 1 2 3 4+

4. During which year in your educational career did you first see your academic advisor?

FR SOPH JR SR Have never seen my academic advisor

5. My satisfaction with my advisor's knowledge of matters relating to my major program, University policies, IMSE policies, etc. is:

(Not Satisfied = 1 Very Satisfied = 5) 1 2 3 4 5

6. My satisfaction with my advisor's interpersonal skills is:

(Not satisfied = 1 Very Satisfied = 5) 1 2 3 4 5

7. My course work has given me a clear understanding of professional and ethical behavior.

(Strongly Disagree = 1 Strongly Agree = 5) 1 2 3 4 5

Engineering Design. ABET defines engineering design as the process of devising a system, component, or process to meet desired needs. It is a decision making process (often iterative), in which the basic sciences, mathematics, and engineering sciences are applied to convert resources optimally to meet a stated objective. Among the fundamental elements of the design process are the establishment of objectives and criteria, synthesis, analysis, construction, testing, and evaluation.

The engineering design component of a curriculum must include at least some of the following features: development of student creativity, use of open-ended problems, development and use of design methodology, formulation of design problem statements and specifications, consideration of alternative solutions, feasibility considerations, and detailed system description. Further, it is essential to include a variety of realistic constraints such as economic factors, safety, reliability, aesthetics, ethics, and social impact.

8. I feel confident that I understand design as it will relate to the development of real-world industrial systems.

(Not Confident = 1 Highly Confident = 5) 1 2 3 4 5

9. The level of exposure to design in my course work has been:

(None = 1 High = 5) 1 2 3 4 5 NA

10. My undergraduate course work has provided me with an opportunity to conduct research.

Yes No

11. My level of participation in undergraduate research projects has been:

(None = 1 High = 5) 1 2 3 4 5

12. a. I feel confident in my ability to work in teams.

(Not Confident = 1 Highly Confident = 5) 1 2 3 4 5

b. How frequently do you work in teams in your classes?

Never Sometimes Often

13. My participation in projects involving teamwork has been:

(None = 1 High = 5) 1 2 3 4 5

14. My level of understanding of the role of the IE in today's economy is:

(None = 1 High = 5) 1 2 3 4 5

15. To what degree does your education provide you the opportunity to interact with people from other cultures?

Never Sometimes Often

16. Approximately how many times per semester do you see a faculty member outside of class for class-related matters (e.g., homework or project help, etc.)

Never 1-5 6-10 11-15 15+

17. Approximately how many times per semester do you see a faculty member outside of class for non-class-related matters (e.g. career advisement, discussion of non-class topics, professional society information, advice on personal matters, discussion of current world events and issues, etc.)

Never 1-5 6-10 11-15 15+

18. Interacting with faculty outside of class has broadened my education.

(Strongly Disagree = 1 Strongly Agree = 5) 1 2 3 4 5 No Interaction

19. Are you a member of one or more professional societies? YES NO

If "YES", which one(s):

20. My involvement with professional societies has broadened my education.

(Strongly Disagree = 1 Strongly Agree = 5) 1 2 3 4 5 No Involvement

21. Circle the other professionally-related extra curricula activities in which you've participated:

- Internship
- Co-op
- Engineering-related job
- Officer of professional society
- Tutoring
- Other (please list):

22. My participation in extra curricular activities was a valuable experience to me.

(Not Valuable = 1 Very Valuable = 5) 1 2 3 4 5

23. I consider my knowledge of contemporary world events and issues to be:

(Below Average = 1 Above Average = 5) 1 2 3 4 5

24. Rank each of the following in terms of its helpfulness in providing you with knowledge of contemporary world events and issues: (Not Helpful = 1 Very Helpful = 5)

Discussions with faculty	1	2	3	4	5
Discussions with other students	1	2	3	4	5
University's GenEd requirements	1	2	3	4	5
Newspapers/magazines	1	2	3	4	5
Television	1	2	3	4	5

World-wide web	1	2	3	4	5
Other ()	1	2	3	4	5

25. a. Do you subscribe to any professional journals? YES NO

b. If “YES”, please list the name(s).

27. Based on your experiences with facilities at ISU and in the IMSE department, assess your satisfaction with the facilities in each of the following areas. Circle “NA” for those that are not applicable or if you have no opinion. (Not Satisfied = 1 Very Satisfied = 5)

a. Classroom facilities in general at the University	1	2	3	4	5	NA
b. Classroom facilities for your engineering courses at the University	1	2	3	4	5	NA
c. University computer labs and equipment	1	2	3	4	5	NA
d. IMSE computer labs and equipment	1	2	3	4	5	NA
e. University-supplied software.	1	2	3	4	5	NA
f. IMSE supplied software.	1	2	3	4	5	NA
g. Faculty or textbook supplied software.	1	2	3	4	5	NA
h. Study areas provided by the University (e.g. library rooms, honors center, etc.)	1	2	3	4	5	NA
i. Study areas provided by IMSE	1	2	3	4	5	NA
j. Facilities at the Main Library	1	2	3	4	5	NA
k. Facilities for electronic communication (e.g. e-mail, Internet, computers, etc.)	1	2	3	4	5	NA
l. Departmental office facilities	1	2	3	4	5	NA
m. Departmental shop facilities	1	2	3	4	5	NA
n. Departmental laboratory facilities	1	2	3	4	5	NA

!!! IMPORTANT !!!

1. Do you understand the relevancy of the courses you have taken to the real-world practice of industrial engineering? YES NO

2. If your answer is NO, which group of courses can you not relate to the real-world practice of industrial engineering?

- IE courses
- Other engineering courses
- Management/Business courses
- Math courses
- Science courses (physics, chemistry)
- Others (please list):