

Department of Mechanical Engineering

EXIT INTERVIEW WITH GRADUATING SENIORS 2005

This questionnaire and the associated exit interview are intended to help the Department improve its programs. The primary purpose is the objective evaluation of the Mechanical Engineering and Engineering Mechanics programs at Johns Hopkins with the intent of providing specific internal directions for improving our present undergraduate and graduate education. This process is now also part of an "outcome assessment" required by external evaluative agencies, such as ABET (Accreditation Board of Engineering and Technology). Since ABET may use this information in the Accreditation process, completion of this form is mandatory.

The Department thanks you for your willingness to spend the time to give us this important feedback.

Name: _____

Gender M / F

Ethnicity: _____

Degree Granted: _____

Area of Study: _____

Forwarding Address: _____

Forwarding Email: _____

Forwarding Telephone: _____

The Mechanical Engineering Department

Please comment on each of the courses you have taken in the Mechanical Engineering Department here at Johns Hopkins. Circle the appropriate response.

Excellent (5)
 Good (3)
 Unsatisfactory (1)

Very Important (5)
 Neutral (3)
 Not Important (1)

Required Thermofluids Courses

| | | | | | | | | | | | |
|---------|------------------------|---|---|---|---|---|---|---|---|---|---|
| 530.231 | ME Thermodynamics | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.327 | Intro. Fluid Mechanics | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.334 | Heat Transfer | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |

Required Mechanics and Materials Courses

| | | | | | | | | | | | |
|---------|------------------------|---|---|---|---|---|---|---|---|---|---|
| 530.201 | Statics and Mechanics | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.315 | Mechanics Based Design | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.352 | Materials Selection | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |

Required Dynamics and Vibrations Courses

| | | | | | | | | | | | |
|---------|---------------------------|---|---|---|---|---|---|---|---|---|---|
| 560.202 | Dynamics | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.343 | Design & Anal. Dyn. Syst. | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |

Required Professional Courses

| | | | | | | | | | | | |
|---------|--------------------|---|---|---|---|---|---|---|---|---|---|
| 530.103 | Intro to ME | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.454 | Manufacturing Eng | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.462 | Eng Business & Mgt | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |

Mechanical Engineering Electives

| | | | | | | | | | | | |
|----------|-------|---|---|---|---|---|---|---|---|---|---|
| 530.____ | _____ | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.____ | _____ | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.____ | _____ | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| 530.____ | _____ | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |

Required Capstone Design Courses

| | | | | | | | | | | | |
|-----------|---------------------------|---|---|---|---|---|---|---|---|---|---|
| 530.403/4 | Eng Design Project I & II | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
|-----------|---------------------------|---|---|---|---|---|---|---|---|---|---|

Technical Electives

| | | | | | | | | | | | |
|-----------|-------|---|---|---|---|---|---|---|---|---|---|
| ____.____ | _____ | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| ____.____ | _____ | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| ____.____ | _____ | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |

Independent Study/Research

| | | | | | | | | | | | |
|-----------|-------|---|---|---|---|---|---|---|---|---|---|
| ____.____ | _____ | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
|-----------|-------|---|---|---|---|---|---|---|---|---|---|

Undergraduate Teaching

| | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|
| Overall Instruction in ME Dept. | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| Overall TA Performance in ME Dept. | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |

Best Instructor: _____ Least Effective Instructor: _____

ABET Educational Outcomes

Please comment on how well the following attributes have been developed as a result of your education at Hopkins. Suggestions for improvement would be most welcome.

- *Develop an ability to apply knowledge of mathematics, science and engineering.*
 Poor Fair Good Very Good Excellent
-

- *Develop an ability to identify, formulate, and solve engineering problems.*
 Poor Fair Good Very Good Excellent
-

- *Develop an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.*
 Poor Fair Good Very Good Excellent
-

- *Develop an ability to design & conduct experiments, as well as analyze & interpret data.*
 Poor Fair Good Very Good Excellent
-

- *Develop an ability to use the techniques and skills, and modern engineering tools necessary for engineering practice.*
 Poor Fair Good Very Good Excellent
-

- *Develop an ability to function in multidisciplinary teams.*
 Poor Fair Good Very Good Excellent
-

- *Develop an ability to communicate effectively.*
 Poor Fair Good Very Good Excellent
-

- *Develop an understanding of professional and ethical responsibility.*
 Poor Fair Good Very Good Excellent
-

- *Develop understanding of the impact of engineering solutions in a global / societal / economic / environmental context.*
 Poor Fair Good Very Good Excellent
-

- *Develop knowledge of contemporary issues.*
 Poor Fair Good Very Good Excellent
-

- *Develop a recognition of the need for, and an ability to engage in life-long learning.*
 Poor Fair Good Very Good Excellent
-

Your Plans After Graduation

Immediate Plans

Industry/Government

- To which firms did you apply? _____

- Do you have any job offers? Y / N If so, from whom? _____

- Did you accept a job offer? Y / N If so, from whom? _____
- In what field do you plan to work (if mechanical engineering, what subfield?

- If you will be employed after graduation, do you plan to attend graduate school on a part-time basis? If so, in what field (mechanical engineering or business management, etc.?)

Graduate/Professional School

- Type of School (graduate, medical, law, etc.) _____
- To which schools did you apply? _____

- Were you offered fellowships or research assistantships? Y / N If so, which ones?

- Where will you attend school (name of the institution)? _____
- What do you plan to study? _____

General

- Have you taken the EIT? (Y / N) If not, do you plan to take it within the year? (Y / N)

Long-Term Plans

Do you plan to become a professional registered engineer when eligible? Y / N

Where do you see yourself 10 years from now? Please check off your response.

- Professional Practice
- Engineering Management
- Teaching and/or research
- Other profession (business, law, etc.) _____
- Other: _____

Miscellaneous Information

Are you a student member of ASME? Y / N

In what extracurricular activities (student or community groups, sports, work during the academic year, other) have you been involved here at JHU? Please list in approximate order of the most time to the least time committed to each activity.

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

**Thanks again for completing this survey!
We wish you all the best in your endeavors.**