

UNIVERSITY OF MASSACHUSETTS
Amherst

Department of Electrical and
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MEMORANDUM

TO: CSE and EE seniors
FROM: T. B. Soules and C. V. Hollot
DATE: 16 May 2005
SUBJECT: Senior Survey

We need your help in providing a critique of the ECE Department and the ECE curricula. The purpose of the survey is to help us make continual improvements in the EE and CSE degree programs. Please take a few minutes to this print out and complete the survey today. Your survey answers will be completely anonymous; submit the personal information page separate from the other survey pages when you turn them in to Mr. Caron. Please staple the survey pages together.

A detailed examination of the EE and CSE undergraduate curricula, lab facilities, and overall program quality will be conducted during in October 2007. This evaluation will be conducted by the Accreditation Board of Engineering and Technology (ABET) (see www.abet.org for more information). Your opinions of our ECE programs and curricula are vitally important as we prepare for that visit. Both we and ABET want to know what you think about our EE and CSE programs.

Please note that the SRTI (Student Review of Teaching and Instruction) is the appropriate place for comments about individual instructors. Your comments on this survey should not include instructor names. Thank you in advance for your help.

Name (last, first): _____ Major(s) : _____

Faculty Advisor : _____

Graduation Date (circle one): May 2005, September 2005, February 2006

Email address (permanent, if possible): _____

"Permanent" Address (street, city, state, zip): _____

"Permanent" Telephone Number: _____

Employment attained: _____

Grad. School plan: _____

• The Spring 2005 ECE Senior Survey •

What is your major? (circle one) EE CSE Other: _____

Which has been your most fulfilling class and why?

Which has been your most disappointing class and why?

What are some strengths of your ECE curriculum? Please explain.

What has been the most disappointing part of the ECE program for you?

Overall, how would you rate your ECE instructors? Please explain.

Have TAs been effective in helping you master course material? Please explain.

Are you satisfied with the quality of academic advising you have received? Please explain.

• The Spring 2005 ECE Senior Survey •

Did the ECE labs help you apply and gain a better understanding of the related lecture material?

Please explain.

Have you been encouraged to work in groups other than in labs?

Has working in groups been helpful in mastering course material presented in class?

If you could change one thing about the curriculum, what would it be?

Has the ECE program fulfilled your expectations? Please explain.

• The Spring 2005 ECE Senior Survey •

Circle the most applicable response and feel free to add your comments.

As a result of my education at the University of Massachusetts Amherst, I am prepared to...

1) ...apply knowledge of mathematics and science to electrical and computer engineering problems.

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

2) ...design and conduct experiments as well as analyze and interpret data.

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

3) ...design electrical systems, components, and processes to meet the desired needs (e.g., a transistor amplifier with a specified gain and bandwidth).

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

4) ...function well in a team environment on technically diverse problems (e.g., courses such as Senior Design Project, ECE 324, or ECE 354).

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

5) ...identify, formulate and solve engineering problems. Circle one: Highly Unprepared Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

6) ...understand my professional and ethical responsibilities.

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

7) ...communicate well in oral and written formats.

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

8) ...understand the impact of engineering solutions in a global, societal, and contemporary context (e.g., General Education courses).

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

9) ...appreciate the value of continual learning and the necessity of professional development.

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments:

10) ...effectively use techniques, skills, and modern engineering and computer tools necessary for engineering practice.

Circle one: Highly Unprepared Unprepared Prepared Highly Prepared Comments: