PROGRAM ASSESSMENT

ASSESSMENT ACTIVITIES

<table>
<thead>
<tr>
<th>Degree Program:</th>
<th>MSEE</th>
<th>Location:</th>
<th>Electrical Engineering</th>
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<tbody>
<tr>
<td>Program Coordinator:</td>
<td>Tri Caohuu</td>
<td>Term:</td>
<td>Spring 2011</td>
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SCHEDULE OF ASSESSMENT ACTIVITIES

Please complete the schedule of assessment activities below by listing all Program Outcomes (POs) by number down the left column and indicating when data were/will be collected (C) and when they were/will be discussed (D) by your faculty. You can also schedule/track program changes resulting from your assessment activities by indicating an “I” (implemented changes) where relevant. This schedule is meant to be fluid; providing a proposed schedule for future assessment while at the same time, providing a record of your efforts as the program planning cycle progresses.

<table>
<thead>
<tr>
<th>↓ Semester Program Start</th>
<th>↓ Semester of End of Program</th>
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<tbody>
<tr>
<td>POs</td>
<td>F10</td>
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<tr>
<td>1</td>
<td>C</td>
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<tr>
<td>2</td>
<td>C</td>
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<tr>
<td>3</td>
<td>C</td>
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<td>4</td>
<td>C</td>
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Note: The Fall Assessment report includes the summer courses.

The EE department has a well-developed mission and educational objectives for its graduate program. The outcomes to support the objectives are as follows:

1) Students will be able to base analysis, problem solving and design on core advanced EE theory.
2) Students will be able to develop deeper understanding of an area of concentration in their graduate programs.
3) Students will be able to apply modern tools for computations, simulations, analysis, and design.
4) Students will be able to communicate engineering results effectively.
Program Outcome #1

Students will be able to base analysis, problem solving and design on core advanced EE theory.

1.1 Data Collection:

[Fall 2010] – For this assessment cycle, how were the data collected and what were the results?

Data for PO#1 was collected from the evaluation of Final Project/Thesis presentations. For the students who opt for the Comprehension Exam, data for PO#1 was collected by way of the Comprehension Exam results. For the students in the Thesis/Project option satisfactorily this SLO (90%). The students who take the Compression Exam satisfy this SLO at better than 75%.

1.2 What have you learned about this Student Learning Outcome?

[Spring 2011] – Based on the results in part I, briefly summarize the discussion surrounding this outcome, i.e., what does the faculty conclude about student learning for this SLO?

Data received from the previous semester (in1.1) were discussed in the Department Graduate Committee (which include five EE professors). The Committee concludes that the current course contents of the core course and the requirements for the Project/Thesis option address properly the PO#1.

1.3 Action Items(s) (if necessary):

[Fall 2011] – Based on the discussion in part II, what actions will the department take to improve student learning, e.g., program changes, changes in pedagogy, process changes, resources requests, etc?

No program changes related to core courses or Thesis/Project requirements. Continue the data collection as planed in the assessment cycle.
1.3 Results of Action Items

[Spring 2011] – What does assessment of student learning show after implementation of any action items? What, if anything, is planned next?

Indirect assessment to be done in Spring 2012, using core course survey (form attached)
Program Outcome #2

Students will be able to develop deeper understanding of an area of concentration in their graduate programs.

1.1 Data Collection:

[Spring 2011] – For this assessment cycle, how were the data collected and what were the results?
Data was collected for PO#2 by way of the evaluations of Thesis/Project final presentations.
There were 87 presentations in total. Data collected showed do not a better than 90% of students satisfied the PO #2. Data collected from the Comprehensive Exam does not covers this PO.

1.2 What have you learned about this Student Learning Outcome?

[Fall 2011] – Based on the results in part I, briefly summarize the discussion surrounding this outcome, i.e., what does the faculty conclude about student learning for this SLO?

The result in part 1.1 will be discussed in the Graduate Committee and in the department’s assessment retreat (ABET).

1.3 Action Items(s) (if necessary):

[Spring 2012] – Based on the discussion in part II, what actions will the department take to improve student learning, e.g., program changes, changes in pedagogy, process changes, resources requests, etc?

To be decided by the Department during the assessment retreat held regularly every semester.

1.4 Results of Action Items

[Fall 2012] – What does assessment of student learning show after implementation of any action items? What, if anything, is planned next?

To be observed in Fall 2012.