GRADUATE LEARNING OUTCOMES

Thoughts and observations

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In 1980, ECPD was renamed the Accreditation Board for Engineering and Technology (ABET) to more accurately describe our emphasis on accreditation.

In 1936, ECPD evaluated its first engineering degree programs. Ten years later, the council began evaluating engineering technology degree
ABET Outcomes Continued

(f) an understanding of professional and ethical responsibility
(g) an ability to communicate effectively
(h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
(i) recognition of the need for and ability to engage in life-long learning
(j) a knowledge of contemporary issues
(k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
~2009 Higher Learning Commission required learning outcomes assessment at the graduate program level.

Faculty were not invested.

**Lessons:**

- Be adaptive
- Listen to faculty involved in the assessment
- Be patient
Goals and Outcomes at UT Austin

Goals inform the development of program outcome.

Learning outcomes are defined as knowledge, skills, values, and attributes students will be able to demonstrate as a result of their studies.
Outcomes Assessment Process at UT Austin

Reporting Phase:
- Define Mission
- Explain Next Steps
- Summarize Findings

Planning Phase:
- Set Goals
- Develop Outcomes
- Identify Assessment Methods
  - Set Targets
  - Describe Strategy to Achieve Outcome

Collect Data
Process

Programs do the following annually:
• Provide mission statement, goals and outcomes for current year
• Identify assessment method and plan to achieve goals
• Assess at least one outcome annually, using at least one direct measure
• Report on findings from previous year and how those findings are being used for improvement
• Identify at least one strong improvement action for next year
Current Graduate Program Assessment Figures

• 171 graduate programs currently participate in UT Austin assessment process

• Those programs currently assess 594 learning outcomes (3.5 outcomes per program)
## Most Common Assessment Methods

<table>
<thead>
<tr>
<th># of programs using this method</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>Written assignment / paper / essay</td>
</tr>
<tr>
<td>78</td>
<td>Direct observation</td>
</tr>
<tr>
<td>62</td>
<td>Exam, quiz, or test</td>
</tr>
<tr>
<td>48</td>
<td>Thesis / dissertation defense, or its equivalent</td>
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<tr>
<td>42</td>
<td>Project</td>
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<tr>
<td>18</td>
<td>Survey</td>
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<tr>
<td>20</td>
<td>Homework, lab report</td>
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<tr>
<td>16</td>
<td>Peer review</td>
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<tr>
<td>13</td>
<td>Internships or field experience</td>
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<tr>
<td>8</td>
<td>Portfolio</td>
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