

Master of Electrical Engineering (MEE) College of Engineering and Mines (CEM)

Table 4.1 Outcomes Assessment Implementation Summary

	Academic Year		
	2007-08	2008-09	2009-10
Assessment information collected	1) Comprehensive Exam 2) Grad Committee Evaluation	1) Comprehensive Exam 2) Grad Committee Evaluation	1) Comprehensive Exam 2) Grad Committee Evaluation
Conclusions drawn from the information collected above and how are faculty collectively involved in drawing conclusions	<p>1) Comprehensive Exam pass rate: 2/2</p> <p>Graduated MEE (3)</p> <p>2) Grad. Com. Eval. Results:</p> <p>Math/Sci/Eng: 2.60</p> <p>Cri.Think: 2.80</p> <p>Commun: 2.80</p> <p>Eng.Tools: 3</p> <p>Gui.Research: NA</p> <p><u>Avg: 2.80</u></p> <p>The MEE student outcomes were evaluated via the same survey conducted by the Grad.Com, and discussed during the MS outcomes assessment meetings mentioned above.</p>	<p>1) Comprehensive Exam pass rate: 0/1</p> <p>Graduated MEE (1)</p> <p>2) Grad. Com. Eval. Results:</p> <p>Math/Sci/Eng: 4.67</p> <p>Cri.Think: 5</p> <p>Commun: 4.67</p> <p>Eng.Tools: 4.67</p> <p>Gui.Research: NA</p> <p><u>Avg: 4.75</u></p> <p>The MEE student outcomes were evaluated via the same survey conducted by the Grad.Com, and discussed during the MS outcomes assessment meetings mentioned above.</p>	<p>1) Comprehensive Exam pass rate: 2/3</p> <p>Graduated MEE (1)</p> <p>2) Grad. Com. Eval. Results:</p> <p>Math/Sci/Eng: 2.33</p> <p>Cri.Think: 2.67</p> <p>Commun: 2.67</p> <p>Eng.Tools: 2.67</p> <p>Gui.Research: NA</p> <p><u>Avg: 2.58</u></p> <p>The MEE student outcomes were evaluated via the same survey conducted by the Grad.Com, and discussed during the MS outcomes assessment meetings mentioned above.</p>

<p>Curricular changes resulting from conclusions drawn above</p>	<p>Development of a stable 2-year plan for improved effectiveness is always in assessment and progress: best timing for the Comp Exam still under assessment.</p>	<p>A new graduate course (EE 693: Sustainable Energy Systems) offered in Spring 2009. Another new graduate course (EE 656: Space Systems Engineering) offered in Fall 2008. Also, an increased number of undergraduate research projects under ECE faculty mentorship through NASA, ASPG, and NSF in an effort to attract and retain high quality ECE undergraduate students to MSEE and PhD programs at ECE.</p>	<p>A revised graduate courses (EE 667: Satellite Communication) based on new software, AGI Satellite Tool Kit, offered in Spring 2010; continued undergraduate research projects and proposals to increase the retention of high quality ECE undergraduate students.</p>
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