

Department: Civil & Environmental Engineering
 Chair: Essam Radwan, Ph.D., P.E.
 Participating Faculty: C. David Cooper, Shiou-San Kuo, John D. Dietz, Sashi K. Kunnath, Sherif M. El-Tawil

Program Name & CIP Code: Civil Engineering (14.0807) Level: Masters

Example of Linkage between Expanded Statement of Institutional Purpose,
 Departmental/Program Intended Outcomes/Objectives, Assessment Criteria and Procedures,
 Results, and Use of Results at our University

<p>To attain prominence in key areas of Civil Engineering graduate education and research.</p>	<p>1. Graduates of the program should demonstrate the ability to produce credible research theses.</p>	<p>1a. On a scale ranking the thesis "excellent," "very good," "good," or "fair," 75% of all graduates will rank "good" or better. This assessment will be conducted by the students graduate committee during the thesis defense. Specific indices will include: area specific knowledge, writing skills, and analytical or experimental skills. 1b. A similar ranking to 1a (assessment of the written thesis) will be conducted on the student's oral defense of the thesis.</p>	<p>1a. Twelve faculty members were surveyed to assess four M.S. students who graduated in the Spring Semester of 1997 and the attached tables summarize the statistics generated. 100% of all graduates were ranked good or better in writing and oral skills. 1b. Twelve faculty members were surveyed to assess four M.S. students who graduated in the Spring Semester of 1997 and the attached tables summarize the statistics generated. 100% of all graduates were ranked good or better in writing and oral skills.</p>	<p>1a. Criteria met. No action warranted at present. 1b. Criteria met. No action warranted at present.</p>
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Version #1: Current Measures
(through Spring 1997)

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	<p>2. MS students will communicate the results of their research in a professional forum.</p>	<p>2. At least 60 % of the thesis-option graduates will publish a refereed journal article or co-author a presentation at a professional conference within 2 years of graduation.</p>	<p>2. The following statistics were generated for the 1995-97 period: Refereed Articles - 10% Conference Proceedings - 30%</p>	<p>2. This is below the 60% target, therefore greater emphasis should be placed on dissemination of research results.</p>
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<p>3. Graduates will express confidence that their graduate education has improved their professional skills.</p>	<p>3a. At least 90% of graduates will "agree" or "strongly agree" that their overall professional skills have been enhanced by their graduate education.</p> <p>3b. Input will be solicited for the specific subject areas that helped them the most and/or need improvement in their opinion.</p>	<p>3a. 100% Strongly Agree that their overall professional skills have been enhanced by graduate education.</p> <p>3b. <i>Subject Areas of Greatest Value:</i> Steel & Concrete Design Structural Dynamics Funding for Students Statistical Modeling <i>Subject Areas that need Improvement:</i> Thesis committee evaluation format. Need full-time administrator in computer lab. Should offer undergraduate pre-requisite courses through FEEDS video program. This would allow more off campus students to pursue Graduate Degrees.</p>	<p>3a. Criteria met. No action warranted at present. We will continue to monitor this item in the future.</p> <p>3b. Criteria met. No action warranted at present. We will continue to monitor this item in the future.</p>
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