

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: Environmental Engineering (14.1401) Level: Doctoral

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

Expanded Statement of Institutional Purpose	Departmental/Program Intended Outcomes/objectives	Assessment Criteria & Procedures	Assessment Results	Use of Results
To attain prominence in key areas of Environmental Engineering graduate education and research.	1. Graduates will demonstrate a strong knowledge base and ability in their area of specialization.	1a. All PhD students will be required to take a comprehensive examination and to perform satisfactorily in each area. 1b. 90% of the PhD students will pass the candidacy exam on their first attempt.	1a. Data collected during 1995-97 indicate that 100% of the 12 students who were administered the comprehensive Qualifying Exam demonstrated proficiency in each subject area. 1b. Data for 1995-97 show that 100% of the 6 candidates taking the Candidacy Exam passed on their first attempt.	1. Criteria met. No immediate action needed.
	2. Graduates will be able to conduct high-quality, independent research and communicate the results of their research in a professional forum.	2. All graduates will publish at least one refereed journal article about their PhD research within 2 years of graduation.	2. Data was collected during the 1995-97 period and the statistics showed no journal articles were prepared by PhD students.	2. Criteria not met. Greater emphasis will be placed on the dissemination of research results.

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	<p>3. Graduates who intend to pursue an academic post will be able to successfully teach at the college level.</p>	<p>3. At least 80% of PhD candidates will have taught one undergraduate course or lab section during their time at UCF, and Student evaluations of teaching will average at least 2.5 out of 4.0.</p>	<p>3. For data collected 1995-97, none of the PhD graduates taught a course of lab section. (Note: Only 1 graduate during 1995-97)</p>	<p>3. Criteria not met. Need to provide more teaching opportunities for Doctoral students or re-evaluate the target percentage.</p>
	<p>4. Graduates will be able to develop and communicate a research/project plan.</p>	<p>4. 90% of all PhD students will have written (co-authored) one proposal for research funding to an outside agency before they graduate.</p>	<p>4. Data was collected during the 1995-97 period and the statistics indicated that no proposals were written by PhD students.</p>	<p>4. Criteria not met. Greater emphasis must be placed on writing research proposals.</p>