

UNIVERSITY OF CENTRAL FLORIDA
COLLEGE OF ENGINEERING

Department of Industrial Engineering and Management Systems
Master of Science in Industrial Engineering Program and
Master of Science Programs

November, 1998

<p><u>Unit Mission</u></p> <p>The Department of Industrial Engineering and Management Systems is committed to preparing highly skilled industrial engineers, engineering managers, technical professionals, and leaders for the global economy of the 21st century.</p>	<p><u>Program Intended Outcome/Objective</u></p> <p>1. Graduates have sufficient advanced knowledge in their chosen field.</p>	<p><u>Assessment Criteria and Procedures</u></p> <p>1. At least 80% of graduates demonstrate a sufficient depth of knowledge and an ability to synthesize concepts before a panel of faculty. Panel members will rate graduation candidates on a high/medium/low pass scale and provide specific comments on student strengths and weaknesses. Only high and medium passes will be considered indications of success with respect to this outcome.</p>	<p><u>Assessment Results/Comments</u></p> <p>1. For graduates in the Spring '97 Semester, a total of 51 ratings by faculty were collected. 31 ratings indicated the student evaluated had a "high pass", and 20 ratings indicated a "medium pass". For 1997-98 graduates, 15 ratings were collected. 11 ratings were "high pass", and 4 ratings were "medium pass".</p>	<p><u>Use of Results</u></p> <p>1. The summary results continue to be satisfactory. Faculty comments have led to program changes, including the introduction of new courses (e.g. in Engineering Management) and new requirements (e.g. in Simulation Modeling and Analysis).</p>
<p>2. Graduates have improved their employability, promotability, and their prospects for career advancement.</p>	<p>2. Two (or more) years after graduation, at least 80% of graduates say that their chances for employment, promotion, or career advancement were enhanced because of the program. Specific comments about the most and least beneficial aspects of the program will be sought.</p>	<p>2. Based on 54 surveys from MS graduates from 1990 through 1995, 43 (80%) respondents say their chances for employment, promotion, or career advancement were improved as a result of their UCF MS program.</p>	<p>2. The assessment results continue to be satisfactory. However, IEMS is interested in identifying additional motives of students seeking advanced degrees.</p>	
<p>3. Graduates are satisfied with their academic program and</p>	<p>3a. Two (or more) years after graduation, at least 80% of</p>	<p>3a. Based on 54 surveys from MS graduates from 1990</p>	<p>3a. No program change warranted.</p>	

their experience at UCF.

graduates say that they are satisfied with their program and that they would recommend the program to a friend or relative. Specific comments on program strengths and weaknesses will be sought.

through 1995, 42 out of 44 responding (95%) say they would recommend their MS program to a friend, relative, or colleague. 44 of 49 graduates responding (90%) say they are satisfied or very satisfied with their MS program.

3b. At least 80% of graduation candidates say they are satisfied with their program and that they would recommend the program to a friend or relative. Specific comments on program strengths and weaknesses will be sought.

3b. Based on 14 surveys from 1997 graduates, 10 of 11 responding (91%) say they would recommend their MS program to a friend, relative, or colleague. All 14 (100%) say they are satisfied or very

3b. No program change warranted.

satisfied with their MS program. 37 graduates from 1997-98 responded. All 37 (100%) are satisfied or very satisfied with their MS program. 27 of 29 respondents (93%) say they would recommend their MS program to a friend, relative, or colleague.

4. Students completing a thesis are able to conduct research and report the results of that research in a professional forum.

4. The research of at least 80% of thesis-option graduates is judged as a high or medium pass or a high/medium/low pass scale by a panel of faculty.

4. For thesis-option MS graduates in the Spring '97 Semester, 9 ratings by faculty were collected. 7 indicates a "high pass" and 2 indicates a "medium pass". In 1997-98, 3 ratings by faculty were collected; all 3 indicated a "high pass".

4. No program change warranted.