2007 MASTER PLAN/PROGRESS REPORT

Academic Program: MEng Engineering

Person Responsible: Dr. Jonathan F. Sullivan

Date Submitted: 19 June 2007

Mission: The Department of Engineering will provide an education in chemical, civil, electrical, and mechanical engineering that is professionally focused and practice-oriented within a student friendly environment. We will prepare our students to practice engineering, focusing on the industrial needs of the region. We will meet the needs of traditional and non-traditional students through close contact with the faculty, the staff, and industrial engineers and managers in our region. We will maintain an up-to-date curriculum that fosters inter-disciplinary teamwork, scholarly development, cooperation with regional industry, and engineering ethics.

Institutional Mission Reference: The Department Mission supports the University Mission by fostering student success, academic excellence, and university-community alliances. In the department mission, student success and academic excellence are promoted by a professionally focused and practice-oriented student friendly environment, maintaining an up-to-date curriculum. The university mission is also accomplished by the close cooperation with regional industry.

Assessment Methods Utilized:	**Data Repository Location:**
____ Standardized Exam (nationally normed)	_____
____ Standardized Exam (state-normed)	_____
____ Major Field Examination	_____
X Internally-developed Examination	Engineering Departmental Office
____ Student Opinion Survey (SOS)	_____
____ National Survey of Student Engagement (NSSE)	_____
____ Employer Survey	_____
____ Graduate Survey	_____
____ Alumni Survey	_____
X Exit Survey/Interview/Exam	Engineering Departmental Office
____ Program-specific Survey	_____
____ Scoring of Essay	_____
____ Portfolio Evaluation	_____
____ Capstone Project	_____
X Presentation	Engineering Departmental Office
X Research Paper	Engineering Departmental Office
X Research Project	Engineering Departmental Office
X Course Summary	Engineering Departmental Office
____ Excel Spreadsheet	_____
____ Access Database	_____
____ Other - Please describe: _____	_____

Student Learning Outcome 1: Graduates apply critical thinking in academic and professional environments.

Expected Level of Achievement	Actual Data From Assessment	Actions/Decisions
80% or better passing percentage for the graduate exit examination.	No data currently available.	Develop and implement graduate engineering exit exams (one per program area) for use during the Summer 2007 semester.
80% or better score on graduate course evaluations related to critical thinking.	No data currently available.	Develop and implement graduate engineering course evaluations for use beginning with the Fall 2007 semester.
Average score of 4.0 or better (5 point scale) on thesis defense evaluations related to critical thinking.	No data currently available.	Develop and implement graduate engineering thesis defense evaluations for use beginning with the Fall 2007 semester.

Student Learning Outcome 2: Graduates formulate and express ideas effectively through oral, written, and/or technological communications in academic and professional environments.

Expected Level of Achievement	Actual Data From Assessment	Actions/Decisions
80% or better score on graduate course evaluations related to oral and/or technological communications.	No data currently available.	Develop and implement graduate engineering course evaluations for use beginning with the Fall 2007 semester.
80% or better score on graduate course evaluations related to written, and/or technological communications.	No data currently available.	Develop and implement graduate engineering course evaluations for use beginning with the Fall 2007 semester.
Average score of 4.0 or better (5 point scale) on thesis defense evaluations related to oral, written, and/or technological communications.	No data currently available.	Develop and implement graduate engineering thesis defense evaluations for use beginning with the Fall 2007 semester.

Student Learning Outcome 3: Graduates analyze the global community to make sound judgments in academic and professional environments.

Expected Level of Achievement	Actual Data From Assessment	Actions/Decisions
Average score of 4.0 or better (5 point scale) on thesis defense evaluations related to global community analysis for sound academic and professional judgments.	No data currently available.	Develop and implement graduate engineering thesis defense evaluations for use beginning with the Fall 2007 semester.
80% or better score on graduate course evaluations related to global community analysis for sound academic and professional judgments.	No data currently available.	Develop and implement graduate engineering course evaluations for use beginning with the Fall 2007 semester.
80% or better attendance at required seminars given by external invited speakers from industry, research, and academia.	No data currently available.	Develop and implement engineering seminars given by external invited speakers from industry, research, and academia for use beginning with the Fall 2007 semester.