

2008-09 and 2009-10 Program Assessment

Department & Program: E & D / BS Technology
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Student Learning Outcome	Time period of assessment activity was completed (2008-09 or 2009-10)	Strategy or method of measurement	Observations gathered from data	Actions recommended based on observations	Plan and timetable for taking action	Overall evaluation of progress on objective
1. Develop an appropriate mastery of the knowledge, techniques, skills and modern tools of their disciplines.	Both	Compared core curriculum of programs with the Society of Manufacturing Engineers' goals, ABET criteria and similar programs from other institutions.	Program lacks some technical content in some of the options. Technical voids include: CNC, estimating, soils/surveying, codes, and materials/techniques.	Create a CNC course for manufacturing majors. Create experimental courses in codes, estimating, materials and techniques for construction majors.	Implemented a CNC class Implement estimating, codes, materials and techniques courses. Gather data and evaluate each time courses are taught.	The learning objective is still valid.
2. Develop a recognition of the need for, and the ability to engage in, lifelong learning.	Both	Continually review current trends and techniques used in industry and compare to applicable course content.	Course curriculum is always in a state of flux therefore content should never be static.	Incorporate new techniques, skills, and new tools into the course curriculum.	Quarterly gathering of data and yearly evaluation of the data.	The learning objective is still valid.

3. Identify, analyze and solve technical and creative problems.	Both	Course exams, projects, and laboratory exercises were used.	The objective has been addressed in a satisfactory manner.	Keep observing the data and when necessary adapt teaching methods, topics, and technologies.	Quarterly gathering of data and yearly evaluation of the data.	The Learning Objective is still valid.
4. Develop a commitment to quality, timeliness and continuous improvement.	Both	In class case studies, examinations, and essays were used.	The objective has been addressed in a satisfactory manner.	Keep observing the data and when necessary adapt teaching methods, topics, and technologies.	Quarterly gathering of data and yearly evaluation of the data.	The Learning Objective is still valid.
5. Communicate effectively.	Both	Multiple essays Laboratory Reports, and technical reports were used.	The objective has been addressed in a satisfactory manner.	Keep observing the data and when necessary adapt teaching methods, topics, and technologies.	Quarterly gathering of data and yearly evaluation of the data.	The Learning Objective is still valid.

6. Develop an ability to understand professional, ethical or social responsibilities.	Both	Ethics and environmental module added to Tech 393 course which includes a writing assignment on each topic. NSPE ethics exam given in Tech 490 Capstone course.	The objective has been addressed in a satisfactory manner.	Keep observing the data and when necessary adapt teaching methods, topics, and technologies.	Quarterly gathering of data and yearly evaluation of the data.	The Learning Objective is still valid.
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