

## 2008-09 and 2009-10 Program Assessment

**Department & Program:** Engineering & Design Department / B.S. Mechanical Engineering Technology.  
**submitted by:** C. Talarico

<b>Student Learning Outcome</b>	<b>Time Period Assessment activity was completed (2008-09 or 2009-10)</b>	<b>Strategy or Method of Measurement</b>	<b>Observations gathered from data</b>	<b>Actions recommended based on observation</b>	<b>Plan and Timetable for taking action</b>	<b>overall evaluation of progress on objective</b>
1.show respect for diversity and a knowledge of contemporary professional, societal and global issues	Both	Embedded questions on assignments and student surveys	The objective has been addressed in a satisfactory manner (> 3.0 on a 4.0 point scale)	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
2. develop the ability to understand professional, ethical or social responsibilities.	Both	Ethics module in TECH 393 including scores on associated writing assignment. Environmental module in TECH 393 including scores on associated writing assignment. NSPE ethics exam given in TECH 490 Capstone course.	The objective has been addressed in a satisfactory manner (> 3.0 on a 4.0 point scale)	Keep observing the data.  Initiate ethics assessment early in program to assess improvement.	Quarterly gathering of data, and yearly evaluation of the data	The learning objective is still valid
3.function effectively on teams	Both	Peer evals from TECH 490 Capstone course.  Final grades from TECH 490 Capstone course.  Lab report scores from TECH 380 and TECH 353.	The objective has been addressed in a satisfactory manner (> 3.0 on a 4.0 point scale)	Keep observing the data.  Adapt teaching and introduce additional presentable topics course syllabus.	Quarterly gathering of data, and yearly evaluation of the data	The learning objective is still valid

4.Communicate effectively	Both	Score on written labs in TECH 353, TECH 380, TECH 382. Score on verbal presentations in TECH 490 Evaluating written reports on Internship performances	The objective has been addressed in a satisfactory manner (> 3.0 on a 4.0 point scale)	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.Develop appropriate mastery of the knowledge, techniques, skills and modern tools of their	Both	Exam scores, in class projects and senior student exit survey.	The objective has been addressed in a satisfactory manner (> 3.0 on a 4.0 point scale)	Keep observing the data  Continuously improve on the quality and capability of laboratory equipment  Improve and update laboratory experiment regularly	Quarterly gathering the data from course evaluation  Yearly evaluation of data	The learning objective is still valid
6. Conduct, analyze and interpret experiments and apply results to improve processes	Both	Scores on Laboratory reports in TECH 353, TECH 380, TECH 382. Project grades in TECH 385 and TECH 490	The objective has been addressed in a satisfactory manner (> 3.0 on a 4.0 point scale)	Keep observing the data and when necessary adapt teaching methods, and topics emphasis	Quarterly gathering of data, and yearly evaluation of the data	The learning objective is still valid