

## ASSESSMENT WEBSITE INFORMATION

**College: Engineering**  
**Chair/Director: Brad Edgar**

**Degree Program: Mechanical Engineering BSME**

### **DATA SAY:**

**For ME student work in 2010/11 (12 students), 75% of portfolios scored 3.0 or higher. For ME student work in 2009/10 (17), 76.4% of portfolios scored 3.0 or higher.**

### **SO WHAT:**

**The program expects 85% of student portfolios to earn a 3.0 or higher. Therefore, expectations were not met.**

### **HOW WE CHANGED:**

**In 2010, the outcome committee felt that poor performance in this skill area for ME 3504 was due to a lack of knowledge and application of probability and statistics, which is not covered in the curriculum until the senior year in ENGR 4463. Thus, it was recommended that a new course on probability and statistics be developed for the sophomore year.**

### **WHAT WE GOT:**

**A new 1-hr course, ENGR 2401, Applied Engineering Statistics, was developed in spring 2011, and was first offered in fall 2011. This course is a co-requisite for the sophomore lab courses for Circuits I and Mechanics of Materials. Thus, student will have knowledge and application experience for probability and statistics prior to taking ME 3504. For ME student work in 2011/12 (8 students), 100% of portfolios scored 3.0 or higher which exceeds expectations for this program outcome.**

