

Statistics Students' Ability to Decipher and Solve Real World Problems

Statistics MS – College of Natural Sciences and Mathematics

Step 1: Student Learning Outcome

Will be able to decipher and solve real world problems.

Step 2: Methods and Measures

Problem solving will be measured in MATH 539 (Statistical Consulting). In this course, students must communicate with an industrial client, formulate a statistical problem, recommend design protocols, select appropriate statistical methods, perform data analysis, interpret results, and write reports.

The assessment committee determined that a student's overall grade in the course is an accurate reflection of their ability to decipher and solve real-world problems.

Step 3: Criteria for Success

The program will meet its objective if, during the period of review, at least 90% of the course grades are at A- or better.

Step 4: Results

Over three semesters (spring 2016/2017/2018), 95.8% (n=48) of students received an "A" in Math 539, thus meeting the meeting the criteria for success.

Step 5: Improvement Actions

No Improvement Actions are required. Student grades will continue to be monitored for this outcome.