Standardized Assessment Measures for the Ferris Learning Outcomes

8) Student project ....[Performance]

Description: Students conduct activities that result in the creation of a tangible product. These student artifacts may take on a variety of forms (e.g. games, 3-D printing, business plans, technical drawings, etc.). The FLO rubric is used to evaluate each product and the student rubric scores are recorded using the RUBRIC workbook.

SCORING: These projects are directly evaluated using a four-level scoring rubric.

ANALYSIS: The number of student scores meeting or exceeding a threshold rubric score of 3.0 is determined for the assignment. The average and 95% confidence interval of the class rubric scores is calculated and classified as indicated in the following scheme:

0) **Deficient** $0.0 \leq$ class average < 1.0

1) **Beginning** $1.0 \leq$ class average < 1.8

2) **Progressing** $1.8 \leq$ class average < 2.6

3) **Proficient** $2.6 \leq$ class average < 3.4

4) **Advanced** $3.4 \leq$ class average ≤ 4.0

A one factor, two-tailed t-test is used to evaluate the statistical significance of differences between class average and the threshold score of 2.6 points. Cohen's d is use to determine the magnitude of any effect sizes found.

CRITERION LEVELING: The expectations of the criteria of success depend upon the level of the course assessed. The target thresholds for each level are defined as follows:

100-level
   50% of individuals should be proficient or better (3 on the rubric) by the end of instruction
   The class average should fall within the progressing level (threshold ≥ 1.8)
200-level
   60% of the individuals should be proficient or better (3 on the rubric) by the end of instruction
   The class average should fall within the proficient level (threshold ≥ 2.6)
300-level
   70% of individuals should be proficient or better (3 on the rubric) by the end of instruction
   The class average should fall within the proficient level (threshold ≥ 2.6)
400-level
   80% of individuals should be proficient or better (3 on the rubric) by the end of instruction
   The class average should fall within the proficient level (threshold ≥ 2.6)