


Degree Program Assessment

(AVIA) BS - Aviation - 2009-2010

Explanation of changes made based on the [results and analysis](#)  of the 2008-2009 cycle of assessment:

Due to a complete turnover of Aviation faculty and program chair, results for the assessment measures, which were embedded in courses taught by the departing faculty, are unavailable to the new faculty. Departing faculty left no course-related documentation of outcomes results. The new program chair and faculty member have participated in a consultation session with the director of the Office of Assessment and Evaluation in order to become familiar with policy and procedures associated with assessment responsibilities and will perform learning assessment in 09-10 with results to be due in fall 2010.

1

Student Learning Outcome:

Students will demonstrate a comprehensive knowledge of the various areas of commercial aviation safety.

Measures:

The final exam in Aviation 405 shall contain 10 questions related to aeronautical decision making and human factors

The final exam in AVIA 430 shall contain 10 questions dealing with aviation safety.

ULM's flight team, "The Flying Tomahawks" shall compete annually at the National Intercollegiate Flight Association's (NIFA) regional competition. Teams from different universities compete in events that assess their knowledge, skill and safety performance in aircraft and flight operations.

Target:

AVIA 405 - 80% of students shall score 80% or better on the 10 safety questions.

AVIA 430 - 80% of students shall score 70% or better on the safety questions dealing with Aviation safety and security.

The flight team shall compete successfully in the NIFA regional competition. Successful completion requires that no students are disqualified from any event because of safety violations.

Results and Analysis:

AVIA 405 Met 16 out of 20 students scored 80% or better on the Safety and Human Factors questions on the final.

AVIA 430 Data was not collectable due to faculty turnover. We will correct this for next year's evaluation.

The Flight Team did compete in the regional competition and no students were disqualified for safety violations.

2

Student Learning Outcome:

Students will apply the required theoretical concepts needed to pass the FAA written exams.

Measures:

The final examination in each course shall contain at least 20 questions taken from the FAA knowledge tests for the appropriate private, commercial or instrument ratings.

Students may take the actual FAA exams in pursuit of private, commercial or instrument flight certificate.

Target:

AVIA 110, 111, 220,310 - 80% of students shall score 70% or better on the FAA questions.

Students shall show a passing grade of at least 70% on the actual FAA written test.

Results and Analysis:

AVIA 110,111 The faculty member is unavailable at the time this was entered.

AVIA 220 73% of the students scored 70% or better of the FAA questions on the final.

AVIA 310 100% of the students scored 70% or better on the FAA questions on the final.

3 _____

Student Learning Outcome:

Students shall be able to apply knowledge of weather to various aviation scenarios.

Measures:

The final exam in each course shall include 20 weather related questions taken from the FAA written exams for private, commercial and instrument flight ratings.

Criteria:

Target:

80% of students shall score at least 70% on the weather related questions.

Results and Analysis:

This is an invalid measure. 20 weather questions is too much weight to place on one topic in courses that cover so much material. This would mean that weather questions would make up 20-25% of the final exam's total points.

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Student Learning Outcome:

Students shall demonstrate Proficiency in oral and written communication.

Measures:

BUSN 305 - A writing assignment will be used to assess student writing skills using the Analytic Rubric for Assessing Business Communication. Aviation students results will be communicated to the Aviation assessment team.

AVIA 230 - On the final exam, students shall write an interview thank you letter to be assessed using the Analytic Rubric for Assessing Aviation Written Documents.

AVIA 430 Students shall answer two essay questions in writing on two chapters in the text to be assessed using the Aviation Rubric for Assessing Aviation Written Documents.

AVIA 302 - Students will be assigned a weather related oral presentation to be assessed by the instructor using the Analytic Rubric for Assessing Aviation Oral Presentations.

AVIA 405 Students shall prepare an oral presentation related to safety assigned by the instructor.

Target:

BUSN 305 - 80% of students shall score "meets expectations" on the rubric.

AVIA 230 - 80% of students shall score "meets expectations" on the oral presentations using the Analytic rubric.

AVIA 405 and 302 - 80 % of students shall score at least "meets expectations" on the rubrics for oral presentations.

AVIA 430 - 80% of students shall score "meets expectations on the rubric.

Results and Analysis:

BUSN 305 -- only 3 Aviation students completed BUSN 305 in 2009-2010. We do not feel that is enough of a sample to make a fair assessment of learning objectives. However, all three students earned a B or better in the course and passed their oral presentation.

AVIA 230 The faculty altered the format of this class and the oral presentations that were required did not fit into the current analytic rubric. This class is based on several writing assignments, professional reading assignments, and student led discussions. Our department will produce a new measurement tool for the next term.

AVIA 405 oral presentations were dropped from this class so to time constraints. The department chair will schedule the class on the Tuesday/Thursday block so to leave time in the future.

AVIA 302 all aviation students met expectations in this class

AVIA 430 the faculty member was not available for the data at the time this was written.

Explanation of changes made based on the results and analysis of the 2009-2010 cycle of assessment:

Corrective actions:

LO#2 - We will be using the Gliem Study program (AVIA 110,111,220,310) to help integrate more assignments around the FAA question bank. We will take steps to ensure that all faculty members are fully aware of what data is to be maintained.

We will re-examine the student learning goals and outcomes as the semester progresses and we will either modify or change the content as necessary. LO#3 - This learning objective will no longer be used and will be replaced with a more valid process for the 2010-2011 academic year.