

Degree Program Assessment

(AVIA) BS - Aviation - 2010-2011

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.

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:

This learning outcome was met based on data available. AVIA 405 was taught by an individual that is no longer with the aviation program, so data was unavailable for the course.

AVIA 430 was taught by a new instructor. Apparently the content on the final exam dealt with aircraft transactions and labor and employment law, and not on aviation safety and security.

The flight team did successfully compete at regional competition and no students were disqualified for due to safety violations.

2

Student Learning Outcome:

Students will demonstrate knowledge of theory concepts of the required material 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:

This learning outcome was met based on data available. Both AVIA 110 and 111 had 80% of the students scoring 70% or better on the FAA questions. AVIA 220 and 310 were taught by individuals that are no longer with the aviation program, so data was unavailable for these 2 courses. Through historical/oral data it has been determined that all students passed the FAA written test with a 70% or better.

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:

Yes 80% of the students scored at least 70% or higher on the weather related questions.

4 _____

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:

This learning outcome was met based on data available. At least 80% of the students taking BUSN 305 met the desired expectation on the rubric. In AVIA 302, at least 80% of the students met expectations on the oral presentation of the rubric. AVIA 230 and AVIA 405 were taught by individuals that are no longer with the aviation program, so data was unavailable for these 2 courses. AVIA 430 was taught by a new instructor and the course content was changed, thus a new set of student learning outcomes, measures, and criteria will need to be employed in the assessment of this course.

Explanation of changes made based on the results and analysis of the 2010-2011 cycle of assessment:

No changes are needed due to deficiencies in student learning, but the Degree Program Assessment for 2011-2012 will be revised based on the new incoming Aviation Chair's necessary changes and modifications.