

DELTA STATE UNIVERSITY: ACADEMIC ANNUAL
REPORT
Academic Year 2005-06

I. Unit Title: Commercial Aviation

School or College: Business

Unit Administrator: Dr. Tommy Sledge

Educational Program Learning Outcome Assessment Plan

These are Learner Outcomes identified for the **current** year. Contents of the table should be very brief. Footnotes may be included for items needing explanation or documentation.

<p>Learning Outcome <i>What should a graduate in this major know, value, or be able to do at graduation and beyond?</i></p>	<p>Data Collection and Analysis <i>What assessment tools and/or methods will you use to determine achievement of the learning outcome? Describe how the data from these tools and/or methods will be collected. Explain the procedure to analyze the data.</i></p>	<p>Results of Evaluation <i>What were the findings of the analysis? List any specific recommendations.</i></p>	<p>Use of Evaluation Results <i>What changes in curriculum, courses, or procedures were made as a result of the program learning outcome assessment process?</i></p>
<p>Department of Commercial Aviation majors will demonstrate effective oral and written communication skills.</p>	<p>1) At least 80% of the departments majors will earn credit on the writing proficiency/and or CAAP exam. Examine data from Writing Proficiency Exam and the CAAP. 2) At least 90% of the department of aviation graduates responding to the Alumni/Graduate survey will Report that the Department of Aviation Programs enhanced their presentation/writing skills. 3) At least 75% of the employers responding to the Department's Employer Survey will report that the Department</p>	<p>70% of the department's majors earned credit on the writing proficiency exam. A review of scores for the last three years indicates a upward trend in test scores.</p> <p>This survey is currently in progress.</p> <p>This survey will be conducted upon the completion of the Business Graduate Survey.</p>	<p>Additional writing assignments will be added to course syllabus to improve student's ability to write.</p> <p>Based upon evaluation results of the 2004-05 academic year a written or research project has been added to aviation classes to enhance student writing/presentation skills.</p> <p>The feedback from this survey will be analyzed and necessary adjustments will be made to the curriculum to improve the learning process.</p>

	of Aviation graduates demonstrated strong one-on-one interpersonal skills, written communications skills and oral presentation skills.		The feedback from this survey will be analyzed and necessary adjustments will be made to the curriculum to improve the learning process.
Department of Commercial Aviation majors will demonstrate the technical skills required to use and manage aviation technology.	FAA Private pilot written examination. Scores received from Lasergrade testing center and maintained in student portfolios at DSU flight training center. Scores are analyzed by aviation faculty and flight training staff each semester.	82% of the majors passed the FAA Private Pilot Written examination on the first attempt. This is higher than the national pass rate of 74%.	Assessment goal was met. Faculty and staff will continue to evaluate results on a semester basis with the thought of raising the goal to 85% for a first time pass rate.
Flight Operation majors will demonstrate a broad understanding of the role and skills required of Commercial Pilots.	FAA Commercial pilot practical test standard in FAA bulletin FAA-S-8081-12B. Flight checks are administered by FAA designated flight examiners independent of DSU.	86% of the majors passed the FAA commercial checkride on the first attempt. This is higher than the national average of 74%.	Assessment goal was met. Faculty and staff will monitor checkride results each semester to ensure our program maintains above the national pass rate average. Students that did not pass the first time are given additional flight training by staff instructors. The department has a 100% pass rate on the second attempt.
Flight Operation majors will demonstrate the ability to reason, analyze, define and solve aviation problems, and make decisions while performing the duties of a certified flight instructor.	FAA Certified Flight Instructor practical test standard in FAA bulletin FAA-S-8081-6BS. Flight checks are administered by FAA designated flight examiners independent of DSU.	64% of the majors passed the FAA instructor checkride on the first attempt. This is higher than the national average of 54%.	Assessment goal was met. Faculty and staff will monitor checkride results each semester to ensure our program maintains above the national pass rate average. Students that did not pass the first time are given

			additional flight training by staff instructors until they meet the standard.
Aviation Management students will demonstrate knowledge of the functional areas of Fixed Base Operations and the role they play in the aviation industry.	The aviation major will achieve a score of at least 80 on the course project measured by common exam administered to all majors by all instructors teaching the Aviation Management Course. The course project will consist of simulated operation airport fuel farm.	84% scored 80 or higher in the aviation management course project. Faculty recommend we set our goal to 90% for students to make 80 or better on the course project and remedial attention will be given by faculty to students who do not make the initial score.	Assessment goal was met. The curriculum committee will meet each semester to determine the best course of action to help students obtain higher scores on their projects.
Aviation Management majors will demonstrate the ability to apply business knowledge to the practice of managing an airport	The aviation major will achieve a score of at least 80 on the course project measured by common exam administered to all majors by all instructors teaching the Airport Management Course. The course project will consist of a study of weather delays at Memphis International by Federal Express.	81% scored 80 or higher in the Airport Management project. Faculty recommend we set our goal to 90% for students to make 80 or better on the course project and remedial attention will be given by faculty to students who do not make the initial score.	Assessment goal was met The curriculum committee will meet each semester to determine the best course of action to help students obtain higher scores on their projects.

<p>Aviation Management majors will demonstrate a broad understanding of the aerospace industry.</p>	<p>The aviation major will achieve a score of at least 80 on the course project measured by common exam administered to all majors by all instructors teaching the Air Transportation Course. The project will consist of a study of the impact the introduction of Very Light Jets will have on the national airspace system.</p>	<p>86% of majors scored 80 or higher on their course project. Faculty recommends we improve the percentage of students achieving a score of 80 to a goal of 90%.</p>	<p>Assessment goal was met. The curriculum committee will meet each semester to determine the best course of action to help students obtain higher scores on their projects.</p>
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III. Division/Department Goals for the Current Year

This is a report on progress towards goals for the current year. These are operational goals for the unit that are NOT tied directly to student learning outcomes which are reported in the table above. An example might be the implementation of a development campaign in conjunction with the DSU Foundation to raise monies for faculty research and travel.

A. Goal # 1 To improve and continue quality of academic program by purchasing three new flight training devices to replace three AST units that were obsolete.

1. Institutional Goal which was supported by this goal: SP#1

Commitment to excellence in academic program.

2. Evaluation Procedure(s):

Analysis of the Department Budget showed that such purchase was possible.

3. Actual Results of Evaluation:

\$435,000 was allocated for the purchase of three Frasca FTD's.

4. Use of Evaluation Results:

Three Frasca FTDs were delivered in July 2005 and installed on campus and the airport. The machines are being used to the maximum allowed by the FAA for credit of flight time for ratings. This has allowed students to earn ratings at a lower cost and less time spent in the actual airplane.

B. Goal # 2 Purchase an additional multi engine training aircraft to eliminate training delays in multi engine flight courses.

1. Institutional Goal which was supported by this goal: SP#1

Commitment to excellence in academic programs.

2. Evaluation Procedure(s):

Analysis of the Department Budget to determine if money is available for this purchase.

3. Actual Results of Evaluation:

\$160,000 was allocated for the purchase of a second Beech Duchess multi engine trainer.

4. Use of Evaluation Results:

Having two multi-engine trainers available for student use has greatly enhanced the Departments ability to conduct multi-engine training. There was not a backlog of students trying to complete their multi engine rating this semester and a record number received their rating.

C. Goal # 3 - QEP # 2 To increase students' use of technology in their courses by requiring CFI and Airport Management Students to use PowerPoint presentations in their lesson presentations and projects.

1. Institutional Goal which was supported by this goal: SP#1

Commitment to learning scholarship and Student Engagement.

2. Evaluation Procedure(s):

Faculty observed and graded all CFI presentations and Airport Management projects using a grading matrix developed by the aviation faculty.

3. Actual Results of Evaluation:

All presentations were done using PowerPoint.

4. Use of Evaluation Results:

No project or presentation scored less than 84.

IV. Data and information for department:

Credit Hour Production				
	Summer 2005	Fall 2005	Spring 2006	Total
BCA (undergraduate)	57	893	833	1783
MCA (graduate)	93	171	231	495 2278
Enrollment by Major				
Aviation Management	6	25	21	52
Flight Operations	20	77	67	164
Graduate Enrollment	16	30	38	84
Number of Graduates				
BCA		8	11	19
MCA		4	2	6

V. Personnel:

Noteworthy activities and accomplishments: Dr. Julie Clark and Dr. Tommy Sledge made scholarly presentations at conferences in Atlanta, GA., Oklahoma State University and Delta State. Delta State University's Flight Team finished 16th in the nation in the SAFECON flight competition.

New position(s) requested, with justification: One new faculty position needs to be filled for the Fall 2006 semester. This will allow full time faculty to teach normal 12 hour loads instead of the 15 hours they have taught the last year.

See attached memorandum for justification of additional mechanic at airport.

Recommended change of status

None

- VI. Degree Program Addition/Deletions and/or Major Curriculum Changes:** None
Changes made in the past year

Recommended changes for the coming year(s)

Add a course to teach Glass Cockpit Technology

VII. Division/ Department Goals for the Coming Year

A. Goal # 1 SP # 1 Purchase Garmin 1000 Glass Cockpit FTD.

1. Institutional Goal(s) supported by this goal:

Commitment to excellence in academic programs.

2. Expected Results:

This will allow our flight operations staff to train students on the latest avionics, which we are presently unable to do.

3. Evaluation Procedure(s):

Examination of the Department Budget

4. Use of Evaluation Results:

A new course “Integrated Flight Management Systems” will be designed and added to the curriculum to teach students how to operate the new FTD. This will provide our students with the knowledge they need to successfully compete for positions with the regional airlines.

B. Goal # 2 SP # 1 Begin the one year self study that will lead to accreditation by the Aviation Accreditation Board International.

1. Institutional Goal(s) supported by this goal:

Commitment to excellence in academic programs.

2. Expected Results:

This will be our first accreditation process, the year long self study is projected to begin in September 2006.

3. Evaluation Procedure(s):

Commercial Aviation faculty and staff will evaluate the self study with help from the Dean of College of Business.

4. Use of Evaluation Results:

The study will be forwarded to the AABI at which time they will make recommendations to the department prior to a visit by the accreditation committee.