I. **Unit Title:** Commercial Aviation  
**College:** Business

**Unit Administrator:** Thomas N. Sledge

II. **Data and information for department:**

**Mission Statement:** To provide for the educational preparation of our students for professional flight and non-flight positions in the airline/aerospace industry.

- Undergraduate credit hour production decreased by 4 percent over the previous year.
- The number of flight hours increased 2 percent.
- Enrollment in graduate online courses remained steady.
- The Department received funds from the Mississippi Legislature to purchase three new simulators. Delivery is to be in October, 2004. *CAV News*, the departmental newsletter is being published once a year. The newsletter is mailed to over seven hundred alumni and parents of students.
III. Personnel

Noteworthy activities and accomplishments
Dr. Tommy Sledge and Dr. Julie Clark were awarded their terminal degrees in the Spring of 2004.
Dr. Sledge and Dr. Clark attended alumni meetings in Jackson, Greenville and Gulfport.
Dr. Clark was elected Chair of the faculty senate.
Dr. Clark was promoted to Associate Professor.
A second A & P mechanic was hired full time to assist our present mechanic. As a result the number of aircraft grounded due to needed maintenance was substantially reduced.
Mr. Charles Metcalf was appointed as a designated FAA examiner for the private pilot rating.

Recommended change of status (promotion/tenure/change in responsibilities)
None

IV. Degree Program Addition/Deletions and/or Major Curriculum Changes
None

V. Division/Department Goals for 2004

A. Commercial Aviation

A. Unit Goal 1:
   - Purchase a new video projector that can be used in room 128 and 129. This will allow faculty to do powerpoint presentations in the classrooms, improving the quality of instruction.

B. Method of Assessment:
   Analysis of the Department Budget.

C. Results of Assessment:
   - $17,000.00 were allocated.

D. Improvements made as a result of assessment:
   - Three new smart carts are on order.

E. Other Action Being Planned as a Result of Assessment:
   - None

B. Flight Operations

A. Unit Goal # 1:
   - Construct a new hangar at the airport.

B. Method Used for Assessment of Study:
   Analysis of the Department budget
C. **Results of Assessment:**
   - Funds were allocated but the bids exceeded the funds.

D. **Improvements Made as a Result of Assessment:**
   - None

E. **Other Actions Planned:**
   - Additional funds have been secured and the hangar has been rebid.

A. **Unit Goal 2:**
   Provide for a data transmission line direct from the airport to the campus to improve the efficiency of our accounting procedures.

B. **Method Used for Assessment:**
   - Analysis of the Department Budget.

C. **Results of Assessment:**
   - Funds were allocated

D. **Improvements Made as a Result:**
   - The airport now has Internet and e-mail access.

E. **Other Action Being Planned as a Result of Assessment:**
   - None

**VI. Student Outcomes**

**Major:** Flight Operations **Degree:** .................B.C.A.

A. **Student Outcome 1:**
   - Each graduate will be able to demonstrate the knowledge and skill associated with being a holder of a Commercial Pilot's license.

B. **Expected Results:**
   - 80 percent of the students who take the Federal Aviation Administration Commercial Pilot Practical Test will pass the test on the first attempt.

C. **Evaluation Procedures:**
   - Review of results of the FAA Commercial Pilot Practical Test.

D. **Actual Results of Evaluation:**
   - Review of the results of the FAA Commercial Pilot Practical Tests taken by our students show that 94 percent of the students passed on the first attempt.

   **Date of most recent evaluation?** January, 2004

E. **Use of Evaluation Results:**
   - No changes necessary. This current goal will be continued for next year.
A. **Student Outcome 2:**
   - Through oral presentations each graduate will be able to demonstrate knowledge of the fundamentals of instruction.

B. **Expected Results:**
   - 80 percent of the graduates will make a grade of B or higher in the senior capstone course, “Flight Instructor Ground & Flight”.

C. **Evaluation Procedures:**
   - Analysis of the grade distribution in the senior capstone course, “Flight Instructor Ground & Flight”.

D. **Actual Results of Evaluation:**
   - Analysis of the grade distribution revealed that 100 percent of the students who completed the course earned a grade of “B” or better in the course.

**Date of most recent evaluation:** January, 2004

E. **Use of Evaluation Results:**
   - No changes necessary. This goal will be continued for next year.
Major: Flight Operations  

Degree: B.C.A.

A. **Student Outcome 3:**
   - Each graduate will be able to demonstrate the knowledge and skill associated with being a holder of a Federal Aviation Administration Flight Instructor Certificate.

B. **Expected Results:**
   - 80 percent of the students who take the Federal Aviation Administration Flight Instructor Practical Test will pass the Test on the first attempt.

C. **Evaluation Procedures:**
   - Review of the FAA Flight Instructor Practical Test results.

D. **Actual Results of Evaluation:**
   - Review of the results from the FAA written exams, showed that 92 percent of our students who took the FAA Flight Instructor Practical Test passed the test on the first attempt.

   **Date of most recent evaluation:** March, 2004

E. **Use of Evaluation Results:**
   - No change necessary. This goal will be continued for next year.
Major: Aviation Management                             Degree: B.C.A.

A. **Student Outcome 1:**
   - Through class participation and written examination, each graduate will be able to demonstrate knowledge of the operation of Fixed Base Operations and the role they play in the aviation industry.

B. **Expected Results:**
   - 70 percent of the students who complete the course will make a grade of “B” or higher in the senior course, “Aviation Management”.

C. **Evaluation Procedures:**
   - Analysis of the grade distribution in the senior course, “Aviation Management”.

D. **Actual Results of Evaluation:**
   - Analysis of the grade distribution revealed that 100 percent of the graduates earned a grade of “B” or better in the senior course.

   Date of most recent evaluation: March, 2004.

E. **Use of Evaluation Results:**
   - No Changes necessary. This course is a spring semester only course.
Major: Aviation Management

Degree: B.C.A.

A. Student Outcome 2:
   - Through class participation and written examination, each graduate will be able to demonstrate an understanding of the skills, knowledge, and attitudes that affect airport management.

B. Expected Results:
   - 70 percent of the students who complete the course will make a grade of “B” or higher in the senior course, “Airport Management”.

C. Evaluation Procedures:
   - Analysis of the grade distribution in the senior course, “Airport Management”.

D. Actual Results of Evaluation:
   - Analysis of the grade distribution revealed that 70 percent of the graduates earned a grade of “B” or better in the senior course.

   Date of most recent evaluation: April, 2004.

E. Use of Evaluation Results:
   - No changes necessary.
Major: Aviation Management  

Degree: B.C.A.

A. **Student Outcome 3:**
   - Through class participation and written examination, each graduate will be able to demonstrate knowledge of the characteristics, scope, and economic significance of the aerospace industry.

B. **Expected Results:**
   - 70 percent of the students who complete the course will make a grade of "B" or higher in the senior course, "Air Transportation".

C. **Evaluation Procedures:**
   - Analysis of the grade distribution in the senior course, "Air Transportation".

D. **Actual Results of Evaluation:**
   - Analysis of the grade distribution revealed that 36 percent of the graduates earned a grade of "B" or better in the senior course.

   **Date of the most recent evaluation:** April, 2004.

E. **Use of Evaluation Results:**
   - Instructor of record has been changed.
### Summary

1. Enrollment has continued to grow in the graduate online program.

2. Airline hiring came to an abrupt halt after the 9-11-01 incident. Our enrollment will hopefully remain stable for the next year as the airlines slowly return to profitability.

3. DSU's aircraft maintenance program was visited by the FAA five times in 2003-2004. The program was rated as outstanding on each visit.

4. DSU students and pilots in the local area benefited from the ease and convenience of taking FAA written exams using the CAV Department's computerized Testing Center.

### QEP GOALS FOR 2004

<table>
<thead>
<tr>
<th>Unit Goal</th>
<th>Specific Learning Outcome to be Measured</th>
<th>Specific Means of Measuring the Outcome</th>
<th>Associated QEP Goal(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increase student use of technology in their courses.</td>
<td>Require CFI students to use PowerPoint presentations in their lesson presentation.</td>
<td>Monitor grade given for presentation.</td>
<td>Increasing use of technology in classroom.</td>
</tr>
<tr>
<td>Increase student on student interaction.</td>
<td>Use flight team and AHP members to tutor freshmen flight students.</td>
<td>Monitor grades in private ground class.</td>
<td>Increase student to student interaction.</td>
</tr>
</tbody>
</table>
Major: Masters Program  Degree: M.C.A.

A. Student Outcome:
Using class projects and written examinations, each graduate student will be able
to demonstrate an understanding of statistical analysis.

B. Expected Results:
70 percent of the students who complete the course will earn a B in Methods of
Research and Statistics.

C. Evaluation Process:
Analysis of the grade distribution in the graduate course "Methods of Research
and Statistics."

D. Actual Results of Evaluation:
Analysis of the grade distribution revealed that 70 percent of the students earned a
grade of "B" in the course. Date of most recent evaluation: April, 2004.

E. Use of Evaluation Results:
No changes are necessary.