COMMERCIAL AVIATION DEPARTMENT: ANNUAL REPORT
Executive Summary
Fall 2004 and Spring 2005

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.

<table>
<thead>
<tr>
<th>Credit Hour Production</th>
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<tbody>
<tr>
<td><strong>BCA (Undergraduate)</strong></td>
</tr>
<tr>
<td>Summer 2004</td>
</tr>
<tr>
<td>48</td>
</tr>
<tr>
<td><strong>MCA (Graduate)</strong></td>
</tr>
<tr>
<td>Summer 2004</td>
</tr>
<tr>
<td>93</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Enrollment by Major For Undergraduate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aviation Management</strong></td>
</tr>
<tr>
<td>Summer 2004</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td><strong>Flight Operations</strong></td>
</tr>
<tr>
<td>Summer 2004</td>
</tr>
<tr>
<td>18</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Enrollment by Major For Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer 2004</td>
</tr>
<tr>
<td>15</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCA</td>
</tr>
<tr>
<td>12</td>
</tr>
<tr>
<td>MCA</td>
</tr>
</tbody>
</table>

III. **Personnel**

**Noteworthy activities and accomplishments:**
Dr. Tommy Sledge and Dr. Julie Clark were awarded tenure.
Dr. Clark served as Chair of the faculty senate. In this position she also was a member of Cabinet and Academic Council. Mr. Charles Metcalf was appointed as a designated FAA examiner for the private instrument and commercial ratings. A DSU flight team member won Top Pilot at the regional flight competition.

**New Positions Requested:**
None

**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:**
- $17000.00 were allocated.

**D. Improvements made as a result of assessment:**
- Three new smart carts were delivered in October 2004. They are all being used to introduce more technology into the learning environment through the use of Powerpoint presentations and as Internet links to relevant websites.

**E. Other Action Being Planned as a Result of Assessment:**
- Faculty will continue to integrate more technology into their lesson plans.

**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:**
- $453,000 was allocated to construct a new hanger.

D. Improvements Made as a Result of Assessment:
- Foundation dirt work began in January, 2005. A new 12,500 square foot hanger was completed in June 2005.

E. Other Actions Planned:
- None.

A. Unit Goal 2:
Install a computerized flight scheduling system so students can access their flight plans from the Internet.

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

C. Results of Assessment:
- Funds were allocated

D. Improvements Made as a Result:
Students can now check their flight schedules online and instructors can post important information for flight students via the Internet.

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

QEP Goals for 2004-2005

<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 presentations.</td>
<td>Monitor the grade given for presentation.</td>
<td>Increase use of technology in classroom.</td>
</tr>
<tr>
<td>Increase student-to-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>

VI. Learning Outcomes

Major: Flight Operations  Degree: ....................., B.C.A.
A. **Learning 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 80 percent of the students passed on the first attempt.

   **Date of most recent evaluation?** May 2005

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

A. Learning 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 80 percent of the students who completed the course earned a grade of "B" or better in the course.

Date of most recent evaluation: May 2005

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

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

A. Learning 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 81 percent of our students who took the FAA Flight Instructor Practical Test passed the test on the first attempt.

Date of most recent evaluation: May 2005

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

Degree: B.C.A.

A. Learning 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 93 percent of the graduates earned a grade of “B” or better in the senior course “Aviation Management”.

Date of most recent evaluation: May 2005.

E. Use of Evaluation Results:
- No Changes necessary.

Major: Aviation Management

Degree: B.C.A.

A. Learning 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 80 percent of the graduates earned a grade of “B” or better in the senior course.

Date of most recent evaluation: May 2005.

E. Use of Evaluation Results:
- No changes necessary.
Major: Aviation Management  Degree: B.C.A.

A. Learning 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 58 percent of the graduates earned a grade of "B" or better in the senior course.

  Date of the most recent evaluation: May 2005.

E. Use of Evaluation Results:
   - The previous year, 2004, only 36 percent of the students made a "B" or better, so there was a 22 percent improvement. With the smart carts we now have, the faculty can put their lectures on PowerPoint to increase the interest in the course. A course web site will be developed to post all the lecture notes for the class. No other changes will be made at this time.

F. Assessment Team Members:
   - Dr. Julie Clark
   - Mr. Charles Metcalf
   - Dr. Tommy Sledge