

Unit Level Report AY 2012
Department: Commercial Aviation

Delta State

Academic Affairs/Provost and VPAA

College of Business

Commercial Aviation

Mission Statement

Mission statement

The Department of Commercial Aviation is to prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation. Graduates of this program would serve as members of flight crews, air traffic control specialists, and executives with supervisory and managerial responsibilities at all levels.

Related Items

There are no related items.

CAV_01: LO effective oral and written communication skills.

Start: 7/1/2011

End: 6/30/2012

Learning Outcome

Department of Commercial Aviation majors will demonstrate effective oral and written communication skills.

Data Collection (Evidence)

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.

Results of Evaluation

70% of the department majors earned credit from the WPE.

Use of Evaluation Results

Assessment goal was not met. Additional writing assignments will continue to be added to core aviation courses including an APA style term paper.

Related Items



GE 02: Communication

CAV_AVMANG_01: LO Fixed Based Operations

Start: 7/1/2011

End: 6/30/2012

Learning Outcome

Aviation Management students will demonstrate knowledge of the functional areas of Fixed Base Operations and the role they play in the aviation industry.

Data Collection (Evidence)

80% of 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 a simulated operation of an airport fuel farm.

Results of Evaluation

Change in instructor due to a death.

Did not complete the fuel farm project.

Use of Evaluation Results

Assessment goal was not met.

Work to assess planned project and determine whether it is adequate for the class. Implement the project in the next semester that the class is offered.

Related Items



GE 01: Critical and Creative Thinking



GE 02: Communication

CAV_AVMANG_02: LO apply business knowledge

Start: 7/1/2011

End: 6/30/2012

Learning Outcome

Aviation Management majors will demonstrate the ability to apply business knowledge to the practice of managing an airport.

Data Collection (Evidence)

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.

Results of Evaluation

100 percent of students scored 80 or better on examinations.

Did not complete the runway project. Change in instructor due to a death.

**Use of Evaluation Results
Assessment goal was met.**

Will continue the examinations as data collection.

Will ensure a project is completed

Related Items

 **GE 01: Critical and Creative Thinking**

 **GE 02: Communication**

 **GE 04: Inquiry and Technology**

CAV_AVMANG_03: LO Aerospace Industry

Start: 7/1/2011

End: 6/30/2012

Learning Outcome

Aviation Management majors will demonstrate a broad understanding of the aerospace industry.

Data Collection (Evidence)

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.

Results of Evaluation

100 percent of students scored 70 or better on examinations.

Did not complete the start-up VLJ project. Change in instructor due to a death.

Use of Evaluation Results
Assessment goal was met.

Bring in outside presenters to discuss daily operations and highlight decision-making processes. Goal of 100 percent of students with B or higher.

Work with to assess planned project and determine whether it is adequate for the class. Implement the project in the next semester that the class is offered

Related Items



GE 01: Critical and Creative Thinking



GE 04: Inquiry and Technology



GE 09: Cross-disciplinary Appreciation

CAV_FLTOPS_01: LO Technical Skills and Aviation Technology

Start: 7/1/2011

End: 6/30/2012

Learning Outcome

Department of Commercial Aviation majors will demonstrate the technical skills required to use and manage aviation technology.

Data Collection (Evidence)

At least 90% on FAA Instrument written examination.

Scores received from Laser grade testing center and maintained in student portfolios at DSU flight training center.

Scores are analyzed by aviation faculty and flight training staff each semester.

Results of Evaluation

90% of the students that took the FAA instrument written exam passed on the first attempt. 100% of the students that took the FAA instrument written passed on the second attempt.

Use of Evaluation Results
Assessment goal was met.

The areas that were not passed the first time on the FAA instrument written are noted and shared with the faculty and staff. The flight instructor reviews the missed areas prior to a retake of the test.

Related Items



GE 04: Inquiry and Technology

CAV_FLTOPS_02: LO Commercial Pilot Roles and Skills

Start: 7/1/2011

End: 6/30/2012

Learning Outcome

Flight Operation majors will demonstrate a broad understanding of the role and skills required of Commercial Pilots.

Data Collection (Evidence)

At least 90% on 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.

Results of Evaluation

100% of the students passed the Commercial pilot practical test on the first attempt.

Use of Evaluation Results

Assessment goal was met.

Will continue on this course of action.

Related Items



GE 01: Critical and Creative Thinking



GE 02: Communication



GE 03: Quantitative Skills



GE 09: Cross-disciplinary Appreciation

CAV_FLTOPS_03: LO Certified Flight Instructor Duties

Start: 7/1/2011

End: 6/30/2012

Learning Outcome

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.

Data Collection (Evidence)

At least 90% on 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.

Results of Evaluation

100% of the students passed the Certified Flight Instructor pilot practical test on the first attempt.

Use of Evaluation Results

Assessment goal was met.

This is outstanding given the national pass rate is 60%. Will continue on this course of action.

Related Items



GE 01: Critical and Creative Thinking



GE 02: Communication



GE 03: Quantitative Skills



GE 04: Inquiry and Technology



GE 08: Perspectives



GE 09: Cross-disciplinary Appreciation

CAV_2012_01: Prepare for Aviation Accreditation

Start: 7/1/2011

End: 6/30/2012

Unit Goal

1. To prepare for a self-study that will lead to accreditation by AABI in the future.

Evaluation Procedures

Commercial Aviation Faculty and Staff revised all CAV curriculum, Student Learning Outcomes, Syllabi to prepare for a self-study that will lead to accreditation by AABI in the future.

Actual Results of Evaluation

Currently upgrading fleet and hiring more faculty

Use of Evaluation Results

Related Items

  **SP1.Ind08: Curriculum Development and Revision**

  **SP3.Ind07: Credentials**

  **SP3.Ind08: Evaluations**

  **SP3.Ind09: Professional development**

  **SP4.Ind03: External resources**

CAV_2012_02: Increase Enrollment

Start: 7/1/2011

End: 6/30/2012

Unit Goal

Increase enrollment in the Department of Commercial Aviation in five years by 20%.

Evaluation Procedures

Analysis of enrollment data in academic years 2009/2010; 2010/2011; 2011/2012; 2012/2013; and 2013/2014.

Actual Results of Evaluation

Will evaluate annually to note progress and continue to increase enrollment in the Department of Commercial Aviation in five years by 20%.

Current Data shows a decrease in enrollment for flight operations and the MCA but an increase in enrollment for the aviation management (UG).

-  [Annual Report data 2011 2012 Reported August 2012](#)

Use of Evaluation Results

The credit hour production does not show a true picture in CAV. The weight as assigned by IHL is for a 100-200 level course is weighted 1.0, 300-400 level is weighted 1.96, and 600 level is 3.94. Commercial Aviation is highly specialized requiring FAA certification, recurrent training, equipment, and technology. The CAV courses should be weighted similarly to the Nursing Program also requiring extra training and highly skilled techniques. The weight for a Nursing course 100-200 level course is weighted 4.91, 300-400 level is weighted 5.32, and 600 level is 6.49. Currently CAV is weighted as a History or English course with no extra training or equipment. When CAV is compared with other College of Business course even Business courses are weighted higher than CAV. Specifically Business 100-200 level course is weighted 1.41, 300-400 level is weighted 1.59, and 600 level is 4.59. In conclusion, CAV courses need to be reevaluated by IHL to possibly create an additional code category and increase the weight to more accurately reflect the skill, training and equipment required to train students in Commercial Aviation.

Related Items

 [SP2.Ind01: Enrollment](#)

CAV_2012_03: Increase Diversity

Start: 7/1/2011

End: 6/30/2012

Unit Goal

Seek to recruit more diverse student population in the Department of Commercial Aviation in five years by 20%.

Evaluation Procedures

Analysis of enrollment data in academic years 2009/2010; 2010/2011; 2011/2012; 2012/2013; and 2013/2014.

-  [Annual Report data 2011 2012 Reported August 2012](#)

Actual Results of Evaluation



There has been an increase in enrollment of diverse students in the Department of Commercial Aviation over the last several years. However, there was a decline in total enrollment therefore a decline in enrollment of diverse students.

Use of Evaluation Results

Il evaluate annually to note progress and continue to increase.

Current data shows a trend of increasing diversity among CAV majors.

Related Items

  **SP1.Ind05: Diversity -- access to diverse ideas/programs**

CAV_2012_04: Diversity Compliance Initiatives and Progress

Start: 7/1/2011

End: 6/30/2012

Unit Goal

Increase diversity within the faculty and staff.

Evaluation Procedures

The Department of aviation will continue to advertise for the faculty position and evaluate all applicants equally.

Actual Results of Evaluation

50% of Instructor's in aviation are African-American

25% of full-time faculty is female

Use of Evaluation Results



The field of Commercial Aviation historically is composed of Caucasian males. Efforts to recruit diverse faculty in Commercial Aviation are challenging. The Department of aviation will continue to advertise for the faculty position and evaluate all applicants equally.

Currently The Commercial Aviation adjunct faculty diversity composition is as follows:

50% of Instructor's in aviation are African-American

25% of full-time faculty is female.

Related Items

  **SP1.Ind05: Diversity -- access to diverse ideas/programs**

  **SP3.Ind01: Faculty and staff hiring**

Section IV.a

Brief Description

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

The Department of Commercial Aviation Program Mission is to prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation. Graduates of this program would serve as members of flight crews, air traffic control specialists, and executives with supervisory and managerial responsibilities at all levels.

The Bachelor of Commercial Aviation is a 124-credit-hour degree program. Undergraduate students may major in Flight Operations or Aviation Management. Upon graduation, Flight Operations majors hold at least a Commercial Pilot Certificate with Airplane Single- and Multi-engine Land and Instrument-Airplane ratings, along with a Flight Instructor Certificate. Both concentrations involve a general education core (English, math, etc.), a commercial aviation core (transportation, aviation law, etc.), and each has specialized degree requirements. Flight Operations majors earn academic credit for flight courses, while Aviation Management Majors take business-related classes that improve management skills. DSU Flight Operations provides part 141 and part 61 training for students enrolled at Delta State University. Flight Training is only available to students of the University, which helps to ensure that students will have plenty of resources for training. The training fleet includes 5 Cessna 172Ps, 5 Cessna 172Rs, 5 Cessna 152s, Cessna 206. For multiengine training, there are 3 Diamond DA-42 multiengine aircraft.

The Master of Commercial Aviation program is a 30-hour credit-hour degree program accredited by the Southern Association of Colleges and Schools (SACS) and offered entirely online; some students may not visit the campus until the graduation ceremony. This program is especially popular with professionals already established in aviation careers, since they can complete degree requirements on their own schedule.

Section IV.b

Comparative data

Enrollment, CHP, majors, graduation rates, expenditures, trends, etc.

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Section IV.c

Diversity Compliance Initiatives and Progress

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

The Department of Commercial Aviation has an ongoing Unit Goal to seek to recruit more diverse student population in the Department of Commercial Aviation in five years by 20%. Additionally, The Department has an ongoing Unit Goal to seek and recruit more diverse faculty and staff in Commercial Aviation.

Section IV.d

Economic Development Initiatives and Progress

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

The Aviation Department had an open house for perspective students and their parents. This was the largest event to date. 72 attended the Spring 2012 session. Specifically, that was 32 students and 40 parents.

Section IV.e

Grants, Contracts, Partnerships, Other Accomplishments

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

The Department of Commercial Aviation entered into a Direct Hire program with Pinnacle Airlines. This gave DSU flight majors a job rather than just an interview upon completing the requirements found on the attached document.

Unfortunately, due to a restructuring with Pinnacle Airlines the program was short lived. The Department of Commercial Aviation will continue to seek opportunities of alliances within the Aviation Field for our Students.

Sources

-  [Pinnacle Airlines Corp & DSU Direct Pilot Hire Program](#)

Section IV.f

Service Learning Data

List of projects, number of students involved, total service learning hours, number of classes, faculty involved, accomplishments.

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Section IV.g

Strategic Plan Data

Only use this section if you have strategic plan info to report that is not covered in other areas of your report

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Section IV.h

Committees Reporting To Unit

Each unit includes in the annual plan and report a list of the committees whose work impacts that unit or any other aspect of the university; along with the list will be a notation documenting the repository location of the committee files and records. Committee actions affecting the unit's goals may be noted in other applicable sections of the annual reports. Not required to be included in the unit's annual plan and report, but required to be maintained in the repository location, will be a committee file that includes, for each committee: Mission and by-laws, Membership, Process, Minutes.

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Section V.a

Faculty (Accomplishments)

Noteworthy activities and accomplishments

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Mr. Brett Oleis, Instructor of Commercial Aviation, serves as a member of the Cleveland Municipal Airport board. Additionally, Mr. Oleis is an FAA FAST Team member who co presented the following presentation:

FAA Safety Team Pilot & CFI Workshop Module #7 Co-Presenter Theo Mavridoglou
"The Importance of Effective Teaching and Flight Reviews"
Facilitator and Presenter for this event.

Presented: "Effective Teaching – Ethics and Professionalism"
FAA Safety Team Pilot & CFI Workshop #6 Co-Presenter Jonathan Hildebrandt
Airworthiness Limitations
Facilitator and Presenter for this event.
Presented: Where do they Really come from?

Mr. Oleis is the CAV representative for Faculty Senate and Past President of the Faculty Senate. Mr. Oleis is the faculty advisor to Alpha Eta Rho and is very active in recruiting for the Commercial Aviation Department.

Mr. Samuel L. Washington, Instructor of Commercial Aviation, serves on the boards of the Cleveland Municipal Airport as well as the Mississippi Airport Association. Mr. Washington also works with the Civil Air Patrol in Cleveland. Mr. Washington serves on the Door Field project to restore Dorr Field in Merigold, MS. Lastly, is very active in recruiting for the Commercial Aviation Department.

Mr. Trey Rayburn, Instructor of Commercial Aviation (50%) divides his time between the airport and Assistant Chief Flight Instructor (50%). Completed FAA online training through FAASAFETY.GOV

- FAAST (FAA Safety Team) Representative training completed 4/11/2013
- Aviate-Navigate-Communicate 3/4/2013
- The Art of Aeronautical Decision-Making 2/22/2013

Mr. Rayburn was recognized by the National Association of Flight Instructors (NAFI) for 13 years of service as a Certified Flight Instructor. FAA Ratings earned within the last academic year by Mr. Rayburn include the Multi-Engine (MEI) Instructor 12/15/2013 and the

- Advanced Ground Instructor Certificate (AGI) 6/14/2013. Mr. Rayburn is enrolled in the Ed.D Higher Education track at DSU for fall 2013. Mr. Rayburn is very active in recruiting for the Commercial Aviation Department.

Section V.b

Staff (Accomplishments)

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Mr. Chip Cooper, Director of Flight Operations attended the Mississippi Flight Standards Inspection Authorizatio conference and recurrent training. Mr. Cooper also attended the DPE and ACR training for the Mississippi Flight Standards Authorization conference. Mr. Cooper attended 2 sessions of FAA Flight Instructor renewals program.

Mr. Mark Cummins, aircraft mechanic, has attended and completed the following:

On December 7, 2011 TSA Recurrent Training, ON July 29, 2011 DA42 Lycoming Factory Training, Garmin G1000 Line Maintenance and Troubleshooting, Basic Composite Training and Practical Course and on February 23, 2012 IA Refresher Training Course.

Mr. Stephen Griffin, aircraft mechanic, completed Diamond Aircraft Lycoming Factory Training, Garmin G1000 Line Maintenance and Troubleshooting, Basic Composite Training and Practical Course. Mr. Griffin also Inspection Authorization refresher course at Hinds Community College and the FAA safety course (online) "Failure to Follow Procedures – Landing Gear Failure". Mr. Griffin is currently enrolled in a management course with the intent to finish degree in aviation management.

Mr. John Little, aircraft mechanic, completed Diamond factory maintenance course for DA42 L360 aircraft (7/11). Additionally, Mr. Little completed Federal Aviation Administration Inspection Authorization refresher course @ Hinds Community College (2/12) and the F.A.A. safety course (online) "Failure to Follow Procedures – Landing Gear Failure" (4/12). Lastly, Mr. Little completed the T.S.A. recurrent training program (12/12).

Ms. Sheila Millican, Senior Secretary/ Test Center Supervisor for Commercial Aviation. Ms. Millican's title change became effective in October, when she successfully completed the training requirements required by FAA/PSI/Laser grade she became the Certified Test Center Supervisor. Ms. Millican passed the Annual Qualifying Proctor Exam with FAA in February, 2012.

Ms. Millican proctored/supervised 170 tests in the PSI/Laser grade Testing Center in Gibson-Gunn. Of those 170 tests, 93 tests were for DSU students while 77 tests were for the public. Ms. Millican received her Flight School Security Awareness Certificate in January, 2012.

Section V.c

Administrators (accomplishments)

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Dr. Julie Speakes, Department of Commercial Aviation, Chair & Professor currently serves on the Aviation Accreditation Board International as a Educator member who also serves on the accreditation committee, a Accreditation team member, and Accreditation team Chair. Additionally, Speakes is the president elect for the University Aviation Association and will step into the role as president November 2013. Below are selected examples of teaching, research, service, and leadership for the 2012-2013.

Teaching

Course load includes teaching Master of Commercial Aviation on-line courses in Blackboard/Canvas Aviation Law and Regulatory Environment, Advanced Aviation Safety, and Special Projects in Aviation Business Administration, 2011 to present. Additionally, Speakes' taught various undergraduate courses as needed while short staffed due to a death in the department.

Service to Aviation Community

- Aviation Accreditation Board International, 2006 to present
- Accreditation Committee Member 2012 to present
- Educator Board Member, 2008 to present
- Graduate Education Committee, 2007 to 2012
- Accreditation Educator Visiting Team member, 2011 to present
- Industry Educator Panel Forum, 2007 to 2008
- University Aviation Association, 2006 to present
- President Elect, 2012 to present
- Membership Committee Chair, 2008 to present
- Planning Committee, 2006 to present

Institutional service for 2012-2013

- QEP Committee 2012 to present
- Co-authored the Literature Review for the QEP Cultural Awareness/Competency
- LMS Selection Committee 2012 to present.
- Promotion and Tenure Committee 2011 to present.
- FAA Airman Certification Representative for Delta State University.
- College of Business COBALT 2009 to present.
- Honors Program Faculty Advisory Council 2009 to present.
- Health and Wellness Committee 2009 to present.
- Chair, Department of Commercial Aviation 2009 to present.

made the following presentations:

Internships/Hiring in Aviation Lunch and Learn for Department of Commercial Aviation, DSU, March 2013
Publish or Perish Educational Session, Co presenter with Dr. Daniel Prather, University Aviation Association Annual Meeting, Murfreesboro, TN September, 2012

attended the following professional meetings:

- Aviation Accreditation Board International Summer Conference, Kansas City, Mo, July 2013
- Women in Aviation International Nashville, TN March, 2013
- Aviation Accreditation Board International Winter Meeting, Auburn, AL February, 2013
- University Aviation Association Annual Meeting, Murfreesboro, TN, September, 2012.

X. PROFESSIONAL GROWTH ACTIVITIES:

Completed proctor qualification for PSI/Lasergrade, May 2013

Completed Test Center Supervisor qualifications for PSI/Lasergrade, May 2013

TSA Flight School Security Awareness Training, January, 2013

FAA Airman Certification Representative Training for Delta State University, November, 2012

Completed proctor qualification for PSI/Lasergrade, August, 2012

Renew FAA Certified Flight Instructor Gold Seal Rating, July, 2012

Section V.d

Position(s) requested/replaced with justification

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Section V.e

Recommended Change(s) of Status

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Section VI.a

Changes Made in the Past Year

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

In the 2012-2013 several changes occurred in the Department of Commercial Aviation. Most notably, all of the FAA Flight syllabi were revised as a result of our changing aircraft fleet. This upgrade in the aircraft lead to a new order in which flight majors progress through the curriculum. This required the DSU FAA TCO to be revised and approved by the Jackson, MS Flight Standards District Office. Another major change was made to the private pilot flight syllabus. Specifically, the solo portion of the syllabus was moved to the end of the syllabus when the students have more flight time and are more comfortable at the controls. We had our first student test this new syllabus in Summer 2013 and successfully completed her private pilot in less aircraft time and in fewer days. It is anticipated that this will help with the retention rate of our private pilot students. However, this change will not help the financial issues students realize while training their first semester in the private pilot syllabus that lead to a drop in retention.

Section VI.b

Recommended Changes for the Coming Year

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative