Unit Missions

Mission Statement

Mission statement
The Mission of the Department of Commercial Aviation is to prepare students for a variety of opportunities in the aviation industry, including with the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation. Graduates of the undergraduate and graduate programs in the Department will serve as members of flight crews, air traffic control specialists, and executives with supervisory and managerial responsibilities at all levels. The education in Aviation will be enhanced by the adherence to the University mission to educate the whole student with regard to diversity, service, and civic engagement.

Learning Outcomes

BCA-AM-01: Federal Aviation Regulations

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Aviation Management majors will have a thorough and comprehensive understanding of Federal aviation regulations.
Data Collection (Evidence)
1. CAV 371 Aviation Law -Final Exam; CAV 380 Air Transportation – Class Project; CAV 382 Airport Management – Class Project
2. Exam will be graded and kept on file; Projects will be presented to a project board for evaluation and grading
3. Exam scores will be compared to anticipated outcomes to verify whether

- CAV 371 Aviation Law Learning Outcomes Fall 2013 completed
- CAV 381 Air Traffic Control Assessment Form Spring 2014 completed

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BCA-AM-02: Aerospace Industry

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Aviation Management majors will demonstrate a broad understanding of the aerospace industry.
Data Collection (Evidence)
1. CAV 380 Air Transportation – Class Project; CAV 372 Aviation Safety - Final Exam; CAV 382 Airport Management – Class Project; CAV 381 Air Traffic - Final Exam
2. Exam will be graded and kept on file; Projects will be presented to a project board for evaluation and grading
3. Exam scores will be compared to anticipated outcomes to verify whether targets were met; Project scores will be compared to anticipated outcomes to determine whether goals were achieved

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BCA-AM-03: Skill & techniques & procedures for airport operations

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Aviation Management majors will demonstrate knowledge of the skills, techniques, and procedures for maintaining airports, airlines, government, non-governmental, and general aviation.
Data Collection (Evidence)
1. CAV 380 Air Transportation - Class Project; CAV 372 Aviation Safety - Final Exam; CAV 382 Airport Planning - Class Project; CAV 381 Air Traffic - Final Exam
2. Exam will be graded and kept on file; Projects will be presented to a project board for evaluation and grading
3. Exam scores will be compared to anticipated outcomes to verify whether targets were met; Project scores will be compared to anticipated outcomes to determine whether goals were achieved

- CAV 372 Aviation Safety Learning Outcomes Fall 2012
- CAV 380 Air Transportation Assessment Form Spring 2013
- CAV 381 Air Traffic Control Assessment Form Spring 2013
- CAV 382 Airport Management Learning Outcomes Spring 2013

BCA-FO-01: Commercial Pilot Skills

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Flight Operations majors will possess the knowledge and skills necessary to fly an airplane at the commercial pilot skill level in both single and multi-engine airplanes under both VFR and IFR.
Data Collection (Evidence)
1. Stage checks, course exams, FAA written exams, and FAA practical exams.
2. pass/fail data will be collected from CAV 355 stage checks, CAV 352 written exams, FAA Commercial Pilot written exam, and the FAA Commercial Pilot practical exam
3. A percentage pass rate of 1st attempts will be determined on stage checks, course exams, FAA written exams, and FAA practical exams.

- CAV 352 Commercial GR Fall 2012
- CAV 352 Commercial Pilot GR Spring 2013

BCA-FO-02: Federal Aviation Regulations

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Flight Operation majors will have a thorough and comprehensive understanding of Federal aviation regulations.

Data Collection (Evidence)
1. stage checks, course exams, FAA written exams, and FAA practical exams
2. CAV (law) written exams, CAV 352 written exams, CAV 360 written exams, CAV 355 and 360 stage checks, FAA Commercial and Flight instructor written exams
3. A percentage pass rate of 1st attempts will be determined

- CAV 352 Assessment Form Spring 2013
- CAV_352_ Commercial_Pilot_Grnd_Course_Learning_Outcomes_Fall_12

BCA-FO-03: Communication Skills

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Flight Operation majors will possess technical communications skills.
Data Collection (Evidence)
stage checks and FAA practical exams
2. CAV 355 stage checks, CAV 360 stage checks, CAV 390 stage checks, FAA Commercial and CFI practical exams
3. A percentage pass rate of 1st attempts will be determined on stage checks, course exams, FAA written exams, and FAA

MCA-01: US Laws & FAA

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Distinguish between the different kinds of laws that the United States in aviation and the distinction between the different kinds essential to understanding the FAA enforcement process.
Data Collection (Evidence)
Final Exam for CAV 630

MCA-02: Safety in the design and operations of airports

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Apply the various managerial concepts learned in class to solving real-world issues and problems encountered by safety in the design and operations of airports.
Data Collection (Evidence)
Assignments and embedded test questions in CAV 660

MCA-03: Air Cargo economics and marketing

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Articulate the role of the fixed base operator in the aviation system.
Data Collection (Evidence)
Discussion board and Chapter Reviews in CAV 650

- Course Learning Outcomes for SACS CAV 650 F2012

MCA-04: Human Factors

Start: 7/1/2014
End: 6/30/2015
Providing Department: Commercial Aviation
Learning Outcome
Explain individual and group behavior and interaction in the aerospace industry.
Data Collection (Evidence)
Test questions in CAV 610

- CAV 610 Fall 2012

Section IV.a
Brief Description
Narrative

The Bachelor of Commercial Aviation (BCA) 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 single-engine training fleet includes 5 Cessna 172Ps, 5 Cessna 172Rs, 5 Cessna 152s and 1 Cessna 206. The multi-engine training fleet currently includes 3 Diamond DA-42 aircraft.

Section IV.b
Comparative data

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

Narrative

Credit Hour Production for CAV AY 2015 is 1827 and increase of 150 credit production hours over CAV AY 2014.

The total enrollment by CAV majors increase in AY 2015. Specifically Aviation Management majors increased by 2; flight operations majors increased by 1, and Commercial Aviation majors (MCA) increased 2 in 2015.

The total number of CAV graduates in 2015 were 32. Specifically: 5 aviation management, 2 flight operations, and 25 Master of Commercial Aviation.

By all accounts CAV is trending growth however, it is slow.

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.

Narrative

The Department of Commercial Aviation is a small department in which all faculty and instructional staff (Director of Flight/Assistant Chief Flight Instructors/Staff Flight Instructors) attend departmental meetings. Additionally the this body serves as the curriculum committee and safety committee with the addition of mechanics John Little, Mark Cumins and student representation. Specifically members in 2014-2015 were Dr. Julie Speakes (chair of the curriculum committee), Brett Oleis, Sam Washington, Chip Cooper, Rogel Campbell, Matt Mabus and Brandon Biaoni. The minutes are taken and recorded by the departmental secretary. In her absence the minutes were taken by Rogel Campbell.

Section V.a
Faculty (Accomplishments)

Noteworthy activities and accomplishments

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 throughout the year.

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 board of the Mississippi Airport Association. Mr. Washington also works with the Civil Air Patrol in Cleveland. Mr. Washington plans to pursue a Doctor of Business Administration.

Dr. Amit Verma, Assistant Professor of Logistics. Dr. Verma has three publications with research interests in inventory management, vehicle routing, automatic identification technology, facility location, stochastic modeling, network analysis, data driven inquiry, and Business Analytics.

Section V.b
Staff (Accomplishments)
Narrative

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

Mr. Matt Mabus, Assistant Chief Flight Instructor. Mr. Mabus is a Part 141 Flight Instructor with examining authority for the Private Pilot and the Instrument rating. Mr. Mabus attended the DPE and ACR training for the Mississippi Flight Standards Authorization conference. Mr. Mabus completed annual FAA Flight Instructor renewals program.

Mr. Rogel Campbell, Assistant Chief Flight Instructor. Mr. Campbell is a Part 141 Flight Instructor with examining authority for the Private Pilot and the Instrument rating. Mr. Campbell completed the Master of Commercial Aviation degree in August 2015.

Mr. Brandon Biaoni, Assistant Chief Flight Instructor. Mr. Biaoni is a Part 141 Flight Instructor with examining authority for the Private Pilot and the Instrument rating. Mr. Biaoni is working on the Master of Commercial Aviation degree.

Mr. Mark Cummins, aircraft mechanic, has attended and completed the following:
Federal Aviation Administration Inspection Authorization refresher course @ Hinds Community College (2/15).

Ms. Margo Evans, Flight dispatcher. Ms. Evans has also helped to revise the Flight Operations publications and organized the dispatcher area, files, and clerical operations.

Mr. John Little, aircraft mechanic, completed Federal Aviation Administration Inspection Authorization refresher course @ Hinds Community College (2/15).

Mrs. Sheila Millican, Senior Secretary/ Test Center Proctor for Commercial Aviation.
Shelia Millican proctored tests in the PSI/Laser grade Testing Center in Gibson-Gunn.

Section V.c
Administrators (accomplishments)
Narrative

Dr. Julie Speakes, Department of Commercial Aviation, Chair & Professor currently serves on the Aviation Accreditation Board International as an Educator member who also serves on the accreditation committee, an Accreditation team member, and Accreditation team Chair. Additionally, Speakes is the immediate past president for the University Aviation Association. Below are selected examples of teaching, research, service, and leadership for the 2014-2015.

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.

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, 2013 to 2014
- Membership Committee Chair, 2008 to 2013; 2014 to present
- Planning Committee, 2006 to present

Institutional service for 2013-2014

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:
- Delta State University's Safety Management System, Safety Meeting, Seattle, WA July 2015
- Opportunities in Academia, Co presenter with Dr. Elizabeth Bjerke, Leslie Martin & Terra Jorgenson, Women in Aviation Annual Conference, Dallas, TX, March 2015
- Cultural Competence in Aviation Training and Higher Education University Aviation Association Annual Meeting, Daytona Beach, FL October, 2014

Attended the following professional meetings:
- Aviation Accreditation Board International Summer Conference, Seattle, WA, July 2015
- Women in Aviation International Dallas, TX March, 2015
- University Aviation Association Annual Meeting, Daytona Beach, FL, 2014.

X. PROFESSIONAL GROWTH ACTIVITIES:

Competed proctor qualification for PSI/Lasergrade, May 2013; May 2014, May 2015

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

TSA Flight School Security Awareness Training, January, 2013, April 2014, August 2015

FAA Airman Certification Representative Training for Delta State University, October 2013; October 2014, October 2015

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	8/29/2013 12/09/2013	**Term Submitted:**	Fall, 2013
Course Number:	41156 CAV 371	**# of Sections:**	1
Course Name:	Aviation Law and Legislation	**# of Students:**	5
Division:	Commercial Aviation	**Participating Faculty:**	Samuel L. Washington
Form Submitted by:	Samuel L. Washington		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Understand the aviation legal environment in which they will work.	Embedded test questions	1) 80 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100 percent of students completed the course with 70 percent or higher grade. Exceeded planned goal.**	Modify test questions to further test student retention of information. Raise expected scores to 80 percent or higher.
1	2) Demonstrate knowledge of FAR Parts 1, 43, 61, 67, 91, 141.	Research project	1) 80 percent of students taking the course will complete the project with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	60 percent of students completed the project with 70 percent or higher. Goal not met for this semester.	Will reorganize class project to better incorporate FAR's into class presentations and give more industry examples to support FAR's use.

Attachments of Methods of Assessments: None
41156 CAV 371: Course Learning Outcomes Assessment Plan.

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	01/15/2014 Approved by	**Term Submitted:**	Spring 2014
Course Number:	CAV 381	**# of Sections:**	1
Course Name:	Air Traffic Administration	**# of Students:**	14
Division:	Aviation Management	**Participating Faculty:**	Samuel L. Washington
Form Submitted by:	Samuel L. Washington		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Students will demonstrate knowledge of ATC history.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 80 percent or higher. 2) Students. 3) End of course. 4) Professor.	86 percent of students scored 80 percent or higher on the examination questions. **EXCEEDS ASSESSMENT GOAL.**	Continue to add historical content to the examination questions to increase rigor. Increase passing score 85 percent.
1	2) Students will be able to name and discuss various components of the ATC system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 80 percent or higher. 2) Students. 3) End of course. 4) Professor.	100 percent of students scored 80 percent or higher on the examination questions. **EXCEEDS ASSESSMENT GOAL.**	Increase passing score to 85 percent, add additional content to increase rigor.
1	3) Students will be able to demonstrate proper communication techniques within the ATC system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 80 percent or higher. 2) Students. 3) End of course. 4) Professor.	100 percent of students scored 80 percent or higher on the examination questions. **EXCEEDS ASSESSMENT GOAL.**	Incorporate in-class demonstration by students of proper communications procedures along with examination questions. Increase passing score to 85 percent.
1	4) Students will be able to compare and contrast the benefits and drawbacks associated with the ATC system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 80 percent or higher. 2) Students. 3) End of course.	Did not measure this outcome, no questions specific to benefits and drawbacks of the ATC system were included. **DOES NOT MEET ASSESSMENT GOAL.**	Add at least two embedded test questions in the final exam to measure student's perceptions of benefits and drawbacks of the ATC system with a passing score of 85 percent.

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
			4) Professor.		
1	5) Students will demonstrate knowledge of ATC regulations and how to apply them.	Examination questions	1) 85 percent of students taking course will complete the examination question(s) with a 80 percent or higher. 2) Students. 3) End of course. 4) Professor.	98 percent of students scored 80 percent or higher on examination questions. **EXCEEDS ASSESSMENT GOAL.**	Continue to add questions about ATC regulations to increase rigor. Increase passing score to 85 percent.
1	6) Students will demonstrate knowledge of techniques to minimize accident potential within the ATC system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 80 percent or higher. 2) Students. 3) End of course. 4) Professor.	98 percent of students scored 80 percent or higher on examination questions. **EXCEEDS ASSESSMENT GOAL.**	Add at least one essay question with a controller separation challenge and ask students to identify a solution. Increase passing score to 85 percent.

Attachments of Methods of Assessments: Examination questions
CAV 381: Course Learning Outcomes Assessment Plan.

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	6/19/2012 12/14/2012	**Term Submitted:**	Fall, 2012
Course Number:	41157 CAV 372	**# of Sections:**	1
Course Name:	Aviation Safety	**# of Students:**	16
Division:	Commercial Aviation	**Participating Faculty:**	Samuel L. Washington
Form Submitted by:	Samuel L. Washington		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Describe the basic concepts of building an aviation safety program.	Examination questions	1) 80 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	100% of students scored 70 or higher on prepared tests. **EXCEEDS ASSESSMENT GOALS**	Continue to add content to curriculum to further enhance the offering. Goal of 85% passing rate for next fall.
1	2) Describe the process that NTSB uses in an accident investigation.	Examination questions	1) 80 percent of students taking the course will complete the examination questions with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	100% of students scored 70 or higher on prepared tests. **EXCEEDS ASSESSMENT GOALS**	Continue to add content to curriculum to further enhance the offering. Goal of 85% passing rate for next fall.
1	3) Explain how Human factors affect aviation safety.	Research Project	1) 80 percent of students taking the course will complete the project with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	94% of students scored 70 or higher on prepared tests. **EXCEEDS ASSESSMENT GOALS**	Further refine the project to allow students an even more in-depth look at human factors in the industry.

Attachments of Methods of Assessments: None
41157 CAV 372: Course Learning Outcomes Assessment Plan.

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Comments:

Division Chair Signature	Date:
Assessment Committee Chair Signature	Date:
Vice President of Academic Affairs Signature	Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	01/28/2013 Approved by	**Term Submitted:**	Spring 2013
Course Number:	CAV 380	**# of Sections:**	1
Course Name:	Air Transportation	**# of Students:**	23
Division:	Aviation Management	**Participating Faculty:**	Samuel L. Washington
Form Submitted by:	Samuel L. Washington		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Students will demonstrate knowledge of the air transportation system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**85 % of students scored 70 or higher on examination questions, MET ASSESSMENT GOAL**	The curriculum will be updated and learning outcomes modified to better assess student learning and understanding.
1	2) Students will examine the history and development of the air transportation system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**More than 85% but less than 90% scored 70 or higher on examination questions, EXCEEDS ASSESSMENT GOAL**	The curriculum will be updated and learning outcomes modified to better assess student learning and understanding.
1	3) Students will recognize and explain the hub-and-spoke system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**More than 85% but less than 90% scored 70 or higher on examination questions, EXCEEDS ASSESSMENT GOAL**	The curriculum will be updated and learning outcomes modified to better assess student learning and understanding.
1	4) Students will be able to differentiate management organizations within the air transportation system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course.	**More than 85% but less than 90% scored 70 or higher on examination questions, EXCEEDS ASSESSMENT GOAL**	The curriculum will be updated and learning outcomes modified to better assess student learning and understanding.

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
			4) Professor.		
1	5) Students will be able to identify marketing concepts used by airlines.	Examination questions	1) 85 percent of students taking course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**More than 85% but less than 90% scored 70 or higher on examination questions, EXCEEDS ASSESSMENT GOAL**	The curriculum will be updated and learning outcomes modified to better assess student learning and understanding.
1	6) Students will analyze airline scheduling systems	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**More than 85% but less than 90% scored 70 or higher on examination questions, EXCEEDS ASSESSMENT GOAL**	The curriculum will be updated and learning outcomes modified to better assess student learning and understanding.

Attachments of Methods of Assessments: Examination questions
CAV 380: Course Learning Outcomes Assessment Plan.

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	01/28/2013 Approved by	**Term Submitted:**	Spring 2013
Course Number:	CAV 381	**# of Sections:**	1
Course Name:	Air Traffic Administration	**# of Students:**	15
Division:	Aviation Management	**Participating Faculty:**	Samuel L. Washington
Form Submitted by:	Samuel L. Washington		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Students will demonstrate knowledge of ATC history.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100% of students scored 70 or higher on final examination questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be revised and learning outcomes updated for the next term to get a clearer picture of student learning and understanding.
1	2) Students will be able to name and discuss various components of the ATC system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100% of students scored 70 or higher on final examination questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be revised and learning outcomes updated for the next term to get a clearer picture of student learning and understanding.
1	3) Students will be able to demonstrate proper communication techniques within the ATC system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100% of students scored 70 or higher on final examination questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be revised and learning outcomes updated for the next term to get a clearer picture of student learning and understanding.
1	4) Students will be able to compare and contrast the benefits and drawbacks associated with the ATC system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course.	**100% of students scored 70 or higher on final examination questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be revised and learning outcomes updated for the next term to get a clearer picture of student learning and understanding.

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
			4) Professor.		
1	5) Students will demonstrate knowledge of ATC regulations and how to apply them.	Examination questions	1) 85 percent of students taking course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100% of students scored 70 or higher on final examination questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be revised and learning outcomes updated for the next term to get a clearer picture of student learning and understanding.
1	6) Students will demonstrate knowledge of techniques to minimize accident potential within the ATC system.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100% of students scored 70 or higher on final examination questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be revised and learning outcomes updated for the next term to get a clearer picture of student learning and understanding.

Attachments of Methods of Assessments: Examination questions
CAV 381: Course Learning Outcomes Assessment Plan.

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	01/28/2013 Approved by	**Term Submitted:**	Spring 2013
Course Number:	CAV 382	**# of Sections:**	1
Course Name:	Airport Management	**# of Students:**	13
Division:	Aviation Management	**Participating Faculty:**	Samuel L. Washington
Form Submitted by:	Samuel L. Washington		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Students will demonstrate knowledge of airport systems and organization	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100% of students scored 70 or higher on final exam questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be modified and learning outcomes changed to better measure student learning and understanding.
2	2) Students will name and discuss various components of the airport environment	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100% of students scored 70 or higher on final exam questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be modified and learning outcomes changed to better measure student learning and understanding.
3	3) Students will interpret airport administration and finances.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course. 4) Professor.	**100% of students scored 70 or higher on final exam questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be modified and learning outcomes changed to better measure student learning and understanding.
4	4) Students will be able to analyze airport capacity and its effects on operations.	Examination questions	1) 85 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) End of course.	**100% of students scored 70 or higher on final exam questions, EXCEEDS ASSESSMENT GOAL**	Curriculum will be modified and learning outcomes changed to better measure student learning and understanding.

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
			4) Professor.		

Attachments of Methods of Assessments: Examination questions
CAV 382: Course Learning Outcomes Assessment Plan.

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	09/01/2012 12/18/2012	**Term Submitted:**	Fall, 2012
Course Number:	41148 CAV - 352	**# of Sections:**	1
Course Name:	Commercial Pilot Ground	**# of Students:**	7
Division:	Commercial Aviation Flight Operations	**Participating Faculty:**	Brett Oleis
Form Submitted by:	Brett Oleis		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Explain aircraft systems related to High Performance Powerplants, Constant Speed Propellers.	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	2) Explain aircraft systems Constant Speed Propellers.	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded final exam test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	3) Demonstrate an understanding of the Environmental Systems	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded test question on test II, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	4) Demonstrate an understanding of the Retractable Landing Gear.	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded final exam test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	5) Demonstrate an understanding of the Aircraft Performance Charts and Graphs.	Embedded test questions	1. 75% of students will pass the assessment with a 90%. 2. Students. 3. End of Course. 4. Professor.	**Embedded test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	6)Demonstrate an understanding of the Emergency Procedures	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	7) Demonstrate an understanding of the Commercial Maneuvers.	Oral Assessment.	1. 75% of students will pass the assessment with a 90%. 2. Students. 3. End of Course. 4. Professor.	Was unsuccessful. 75% of the class was unsuccessful at scoring a 90% on the embedded test question.	Will need to spend more time on this are. May be a good idea to introduce the information earlier in the semester as it is the last chapter to be covered.

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Date Submitted: (or Resubmitted)	05/06/2013	**Term Submitted:**	Spring 2013
Course Number:	CAV 352	**# of Sections:**	1
Course Name:	Commercial Pilot Ground	**# of Students:**	2
Division:	Commercial Aviation	**Participating Faculty:**	Larry Rayburn
Form Submitted by:	Larry Rayburn		

Course Description:

This course covers the procedures, operations, and regulations necessary to prepare the student for the FAA Commercial Pilot Airplane written examination.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	Students will be able to recognize differences in complex and high performance airplanes	Short answer written test	1) 75 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) Completion of unit. 4) Instructor.	**Learning outcome was met with 100% success.**	Have a class meeting or two at the airport incorporating a preflight and systems review using the C206 and DA42.
2	Students will be able to interpret weight/balance charts, takeoff distance charts, and landing distance charts. Students will also be able to analyze the effects of load on aerodynamic stability	Written test using advanced calculations involving performance charts	1) 75 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) Completion of unit. 4) Instructor.	**Learning outcome was met with 100% success.**	Put more emphasis on calculations using the takeoff, landing, and cruise performance charts.
3	Students will be able to assess the following aeronautical decision making tools: DECIDE model, I"M SAFE checklist, 3P model	Scenario based written exam requiring critical thinking	1) 75 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) Completion of unit. 4) Instructor.	**Learning outcome was met with 100% success.**	Incorporate the use of www.faasafety.gov and its aeronautical decision making courses into the syllabus.
4	Students will be able to interpret applicable FAR's pertinent to commercial pilot operations and discuss the required commercial maneuvers and PTS	Comprehensive final testing this unit and the previous 3	1) 75 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) Completion of unit.	**Learning outcome was met with 100% success.**	Have the students do a presentation using visual aids to describe the required flight maneuvers for the commercial pilot check ride.

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Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
			4) Instructor.		

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	09/01/2012 12/18/2012	**Term Submitted:**	Fall, 2012
Course Number:	41148 CAV - 352	**# of Sections:**	1
Course Name:	Commercial Pilot Ground	**# of Students:**	7
Division:	Commercial Aviation Flight Operations	**Participating Faculty:**	Brett Oleis
Form Submitted by:	Brett Oleis		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry: the airlines, aircraft manufacturing, airport management, air traffic control, and military aviation.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Explain aircraft systems related to High Performance Powerplants, Constant Speed Propellers.	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	2) Explain aircraft systems Constant Speed Propellers.	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded final exam test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	3) Demonstrate an understanding of the Environmental Systems	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded test question on test II, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	4) Demonstrate an understanding of the Retractable Landing Gear.	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded final exam test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going

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Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	5) Demonstrate an understanding of the Aircraft Performance Charts and Graphs.	Embedded test questions	1. 75% of students will pass the assessment with a 90%. 2. Students. 3. End of Course. 4. Professor.	**Embedded test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	6)Demonstrate an understanding of the Emergency Procedures	Embedded test questions	1) 80% of students taking the course will identify the components on a test with a 70% or higher. 2) Students. 3) End of course. 4) Professor.	**Embedded test question, revealed that 80+% of the class understood and mastered the material.**	Continue as presently going
1	7) Demonstrate an understanding of the Commercial Maneuvers.	Oral Assessment.	1. 75% of students will pass the assessment with a 90%. 2. Students. 3. End of Course. 4. Professor.	Was unsuccessful. 75% of the class was unsuccessful at scoring a 90% on the embedded test question.	Will need to spend more time on this are. May be a good idea to introduce the information earlier in the semester as it is the last chapter to be covered.

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Date Submitted: (or Resubmitted)	05/06/2013	**Term Submitted:**	Spring 2013
Course Number:	CAV 352	**# of Sections:**	1
Course Name:	Commercial Pilot Ground	**# of Students:**	2
Division:	Commercial Aviation	**Participating Faculty:**	Larry Rayburn
Form Submitted by:	Larry Rayburn		

Course Description:

This course covers the procedures, operations, and regulations necessary to prepare the student for the FAA Commercial Pilot Airplane written examination.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	Students will be able to recognize differences in complex and high performance airplanes	Short answer written test	1) 75 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) Completion of unit. 4) Instructor.	**Learning outcome was met with 100% success.**	Have a class meeting or two at the airport incorporating a preflight and systems review using the C206 and DA42.
2	Students will be able to interpret weight/balance charts, takeoff distance charts, and landing distance charts. Students will also be able to analyze the effects of load on aerodynamic stability	Written test using advanced calculations involving performance charts	1) 75 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) Completion of unit. 4) Instructor.	**Learning outcome was met with 100% success.**	Put more emphasis on calculations using the takeoff, landing, and cruise performance charts.
3	Students will be able to assess the following aeronautical decision making tools: DECIDE model, I"M SAFE checklist, 3P model	Scenario based written exam requiring critical thinking	1) 75 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) Completion of unit. 4) Instructor.	**Learning outcome was met with 100% success.**	Incorporate the use of www.faasafety.gov and its aeronautical decision making courses into the syllabus.
4	Students will be able to interpret applicable FAR's pertinent to commercial pilot operations and discuss the required commercial maneuvers and PTS	Comprehensive final testing this unit and the previous 3	1) 75 percent of students taking the course will complete the examination question(s) with a 70 percent or higher. 2) Students. 3) Completion of unit.	**Learning outcome was met with 100% success.**	Have the students do a presentation using visual aids to describe the required flight maneuvers for the commercial pilot check ride.

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Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
			4) Instructor.		

Comments:

Division Chair Signature Date:

Assessment Committee Chair Signature Date:

Vice President of Academic Affairs Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	4/11/13	**Term Submitted:**	Fall 2012
Course Number:	CAV 650	**# of Sections:**	1
Course Name:	Fixed Base Operations	**# of Students:**	26
Department:	Commercial Aviation	**Participating Faculty:**	C. Daniel Prather
Form Submitted by:	C. Daniel Prather		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry by allowing them to develop a deeper understanding of the nature of FBOs, and focus on the operation, marketing, and management of FBOs.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Articulate the role of the fixed base operator in the aviation system.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course. 4) Professor.	95% of students fully participated in 15 weeks of on-line discussions and 89% of students answered all chapter review questions.	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	2) Understand pertinent management concepts applicable to the field of FBO management.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course. 4) Professor.	95% of students fully participated in 15 weeks of on-line discussions and 89% of students answered all chapter review questions	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	3) Recognize successful marketing strategies and discuss the most effective manner in which to market the services of an FBO.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course. 4) Professor.	95% of students fully participated in 15 weeks of on-line discussions and 89% of students answered all chapter review questions	. Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	4) Acquire a working knowledge of financial concepts appropriate to the FBO business.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students.	95% of students fully participated in 15 weeks of on-line discussions and 89% of students answered all chapter review questions	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
			3) End of course. 4) Professor.		line discussions and chapter review questions.
1	5) Apply effective human resource skills to the management of FBO employees.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course. 4) Professor.	95% of students fully participated in 15 weeks of on-line discussions and 89% of students answered all chapter review questions	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	6) Discuss the organization of a typical FBO, including administration and operations.	Chapter review questions, discussion, final exam, FBO paper.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions & 90% of students will adequately complete the assigned FBO paper. 2) Students. 3) End of course. 4) Professor.	95% of students fully participated in 15 weeks of on-line discussions and 89% of students answered all chapter review questions	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	7) Share with others why proper maintenance, safety, and security are necessary to the FBO manager.	Chapter review questions, discussion, final exam, FBO paper.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions 90% of students will adequately complete the assigned FBO paper. 2) Students. 3) End of course. 4) Professor.	95% of students fully participated in 15 weeks of on-line discussions and 89% of students answered all chapter review questions	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	8) Apply the various managerial concepts learned in class to solving real-world issues and problems encountered by FBO managers.	Chapter review questions, discussion, final exam, FBO paper.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions 90% of students will adequately complete the assigned FBO paper. 2) Students. 3) End of course. 4) Professor.	95% of students fully participated in 15 weeks of on-line discussions and 89% of students answered all chapter review questions	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Attachments of Methods of Assessments:

Comments:

Faculty Signature	*C. Daniel Prather*	Date: 4/11/13
Department Chair Signature		Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University

Course Learning Outcomes Assessment Form

Date Submitted: (or Resubmitted)	4/11/13	**Term Submitted:**	Fall 2012
Course Number:	CAV 610	**# of Sections:**	1
Course Name:	Advanced Human Factors	**# of Students:**	21
Department:	Commercial Aviation	**Participating Faculty:**	C. Daniel Prather
Form Submitted by:	C. Daniel Prather		

Unit Goals: Please list below each appropriate unit goal with corresponding number. In the matrix, refer to the unit goal by number only.

1. To prepare students for a variety of opportunities in the aviation industry by allowing them to develop a deeper understanding of the many factors affecting aviation safety, including the complex interactions that occur between members of the flight crew.

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
1	1) Develop a thorough knowledge of human factors.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course. 4) Professor.	91% of students fully participated in 15 weeks of on-line discussions and 91% of students answered all chapter review questions.	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	2) Analyze an aircraft accident and the role human factors played in the accident.	Aircraft Accident Analysis Paper	1) 90% of students will fully develop an analysis of their assigned aircraft accident. 2) Students. 3) End of course. 4) Professor.	91% of students fully participated in 15 weeks of on-line discussions and 91% of students answered all chapter review questions.	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	3) Understand the need for a systems approach to aviation safety..	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course. 4) Professor.	91% of students fully participated in 15 weeks of on-line discussions and 91% of students answered all chapter review questions.	. Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	4) Understand the role of airlines, manufacturers, and governmental agencies in improving aviation safety.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course.	91% of students fully participated in 15 weeks of on-line discussions and 91% of students answered all chapter review questions.	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

Delta State University **Course Learning Outcomes Assessment Form**

Unit Goals	Expected Learning Outcome	Method of Assessment	Assessment Criteria, Standards, and Procedures *(4 parts)	Learning Outcome Assessment Results	Improvement Statement based on Learning Outcome Assessment Results "Use of Results"
			4) Professor.		
1	5) Discuss the best practices in use today to enhance aviation safety.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course. 4) Professor.	91% of students fully participated in 15 weeks of on-line discussions and 91% of students answered all chapter review questions..	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.
1	6) Discuss aviation safety and the inherent challenges on a worldwide scale.	Chapter review questions, discussion, final exam.	1) 100% of students will participate in on-line discussion and completely answer all chapter review questions. 2) Students. 3) End of course. 4) Professor.	91% of students fully participated in 15 weeks of on-line discussions and 91% of students answered all chapter review questions.	Students are penalized 5 points off their final course grade if they do not complete 50% of course requirements (including discussions and chapter review questions) prior to mid-term. This will be made more clear in the future to encourage full participation in on-line discussions and chapter review questions.

Attachments of Methods of Assessments:

Comments:

Faculty Signature *C. Daniel Prather* Date: 4/11/13

Department Chair Signature Date:

* Include: 1) the level of expected performance; 2) who will be assessed; 3) when assessment takes place; 4) who will conduct and interpret assessment

DELTA STATE UNIVERSITY

Institutional Research & Planning
Kent Wyatt Hall 161
(662) 846-4052

To: Dr. Julie Speakes, Chair; Department of Commercial Aviation

From: Office Institutional Research & Planning

Date: July 24, 2015

Subject: Academic Year Report Information for the Department of Commercial Aviation

The following information contains Summer 2014, Fall 2014, and Spring 2015 credit hours produced, enrollment, and graduates for academic year 2014/15. If you need additional information, or have any questions regarding this information, please contact IRP at x4052.

CREDIT HOUR PRODUCTION								
	Summer 2014			Fall 2014			Spring 2015	
	UG	GR		UG	GR		UG	GR
CAV	0	294		586	267		455	225

ENROLLMENT BY MAJOR								
	Summer 2014			Fall 2014			Spring 2015	
	UG	GR		UG	GR		UG	GR
Aviation Management	3	0		19	0		18	0
Commercial Aviation	0	46		0	51		0	48
Flight Operations	3	0		45	0		41	0
Total	6	46		64	51		59	48

2014/15 Graduates*	
Aviation Management	
BCA	5
Commercial Aviation	
MCA	25
Flight Operations	
BCA	2

*Note one additional undergraduate student graduated with a second major in Flight Operations.

Credit Hour Production							
	Summer		Fall		Spring		
	UG	GR	UG	GR	UG	GR	Total
CAV							
AY 2015	0	294	586	267	455	225	1827
AY 2014	24	259	603	219	386	186	1677
AY 2013	24	259	603	219	386	186	1677
AY 2012	11	183	563	258	388	261	1664
AY 2011	28	237	651	255	457	222	1850
AY Totals							
AY 2015	0	294	586	267	455	225	1827
AY 2014	24	259	603	219	386	186	1677
AY 2013	24	259	603	219	386	186	1677
AY 2012	11	183	563	258	388	261	1664
AY 2011	28	237	651	255	457	222	1850

Enrollment by Major						
	Summer		Fall		Spring	
	UG	GR	UG	GR	UG	GR
Aviation Management						
AY 2015	3	0	19	0	18	0
AY 2014	3	0	14	0	16	0
AY 2013	4	0	18	0	19	0
AY 2012	6	0	22	0	21	0
AY 2011	7	0	29	0	23	0
Commercial Aviation						
AY 2015	0	46	0	51	0	48
AY 2014	0	33	0	44	0	46
AY 2013	0	38	0	40	0	35
AY 2012	0	30	0	48	0	43
AY 2011	0	38	0	48	0	45
Flight Operations						
AY 2015	3	0	45	0	41	0
AY 2014	9	0	49	0	40	0
AY 2013	14	0	48	0	43	0
AY 2012	13	0	59	0	42	0
AY 2011	19	0	66	0	52	0
AY 2010	16	0	65	0	63	0
AY Totals						
AY 2015	6	46	64	51	59	48
AY 2014	12	33	63	44	56	46
AY 2013	18	38	66	40	62	35
AY 2012	19	30	81	48	63	43
AY 2011	26	38	95	48	75	45

Graduates				
	Av MGT	Comm AV	Flight Ops	
	BCA	MCA	BCA	Total
AY 2015	5	25	2	32
AY 2014	0	20	6	26
AY 2013	7	21	9	37
AY 2012	7	20	11	38
AY 2011	9	23	17	49