

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.

Related Items

There are no related items.

Learning Outcomes

BCA-AM-01: Federal Aviation Regulations

Start: 7/1/2013



End: 6/30/2014

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](#)

Results of Evaluation

CAV 380 100 percent of students participating in the project scored 70 percent or higher. **EXCEEDS ASSESSMENT GOAL.**

CAV 371 100 percent of students completed the exam with 70 percent or higher grade. **Exceeded planned goal.**

CAV 382 80 percent of students completed the project with 70 percent or higher. **EXCEEDS ASSESSMENT GOAL.**

-  [CAV 382 Spring 201401961920140904164646](#)

Use of Evaluation Results

CAV 371 Modify test questions to further test student retention of information. Raise expected scores to 80 percent or higher.

CAV 380 Continue to utilize the project. Raise the expected score to 75 percent or higher.

CAV 382 Continue the project and take a class period to discuss further expectations

Related Items

There are no related items.

BCA-AM-02: Aerospace Industry

Start: 7/1/2013

End: 6/30/2014

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

Results of Evaluation

CAV 380 100 percent of students participating in the project scored 70 percent or higher. **EXCEEDS ASSESSMENT GOAL.**

CAV 371 100 percent of students completed the exam with 70 percent or higher grade. **Exceeded planned goal.**

CAV 382 80 percent of students completed the project with 70 percent or higher. **EXCEEDS ASSESSMENT GOAL.**

-  [CAV 371 Aviation Law Learning Outcomes Fall 2013 completed](#)
-  [CAV 381 Air Traffic Control Assessment Form Spring 2014 completed](#)
-  [CAV 382 Airport Management Learning Outcomes Spring 2014](#)

Use of Evaluation Results

Evaluate the projects in the curriculum to keep the assignments relevant.

Related Items

There are no related items.

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

Start: 7/1/2013

End: 6/30/2014





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](#)

Results of Evaluation

CAV 380 100 percent of students participating in the project scored 70 percent or higher. **EXCEEDS ASSESSMENT GOAL.**

CAV 371 100 percent of students completed the exam with 70 percent or higher grade. **Exceeded planned goal.**

CAV 372 100 percent of students completed prepared test with 70 percent or higher. **EXCEEDS ASSESSMENT GOAL.**

Use of Evaluation Results

Will continue to add content to curriculum to enhance the offerings. Raise the goal to 85% pass rate for the next time these courses are offered

Related Items

There are no related items.

BCA-FO-01: Commercial Pilot Skills

Start: 7/1/2013

End: 6/30/2014



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)

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](#)

Results of Evaluation

CAV 352 Commercial Pilot Grnd Fall 2013

Final Exam Pass rate 100%

4 students all 4 passed final exams, 3 of the 4 scored "C" or better on the Final exam.

All 4 passed course with "C" or better.

CAV 352 Commercial Pilot Grnd Spg 2014

Final Exam Pass rate 100

6 students all 6 passed final exam, 6 of the 6 scored "C" or better on the Final exam.

All 6 passed course with "C" or better.

CAV 355

100% passed the FAA Commercial Pilot Written Exam.

100% passed the Commercial Pilot Practical (oral & flight) test with an FAA Designated Pilot Examiner.

Use of Evaluation Results

Students will be given additional explanations in identified weak areas by the instructor.

Related Items

There are no related items.

BCA-FO-02: Federal Aviation Regulations

Start: 7/1/2013

End: 6/30/2014

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](#)

Results of Evaluation

CAV 363 Lesson 9 Oral 0 0 0 0 0 0 0 0

OVERALL PASS RATE:	0%	McCallum, Aaron	Hector, David	Mobley, Drake
Multi Engine Aerodynamics	100%	S	S	S
Multi Engine Certificates	100%	S	S	S
DA 42 Information Manual	100%	S	S	S

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Aircraft Systems	100%	S	S	S
DA 42 Normal Operating Procedures	100%	S	S	S
DA 42 Emergency Operating Procedures	100%	S	S	S
DA 42 Performance and Limitations	100%	S	S	S
Collision/Wake Avoidance	100%	S	S	S
CAV 363 Lesson 10 Stagecheck FTD				
Cockpit Familiarization	100%	S	S	S
Use of Checklists	100%	S	S	S
Engine Starting and Warmup	100%	S	S	S
Engine Operation	100%	S	S	S
Pretakeoff Check / Runup	100%	S	S	S
Pretakeoff Briefing / Engine Failure Actions	100%	S	S	S
Takeoff and Departure	100%	S	S	S
Four Fundamentals	100%	S	S	S
Establishing Cruise	100%	S	S	S
Maneuvering During Slow Flight	100%	S	S	S
Power Off Stalls	100%	S	S	S
Power On Stalls	100%	S	S	S
Steep Turns	100%	S	S	S
Vmc Demonstration	100%	S	S	S
Engine Failure During Cruise	100%	S	S	S
In-flight Engine Shutdown Procedures	100%	S	S	S
Maneuvering With One Engine Inoperative	100%	S	S	S
In-flight Engine Restart Procedures	100%	S	S	S

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Traffic Pattern Operations	100%	S	S	S
Prelanding Check	100%	S	S	S
Arrival Procedures	100%	S	S	S
Engine Failure During Takeoff Before Vmc	100%	S	S	S
Engine Failure After Liftoff	100%	S	S	S
CAV 363 Lesson 31 Final Stagecheck Oral				
Certificate and Documents	100%	S	S	S
Obtaining Weather Information	100%	S	S	S
Operation of Airplane Systems	100%	S	S	S
Emergency Procedures	100%	S	S	S
Aerodynamics	100%	S	S	S
Determining Performance and Limitations	100%	S	S	S
Cross-Country Flight Planning	100%	S	S	S
Night Flight Operations	100%	S	S	S
Aero Medical Factors	100%	S	S	S
Radio Communications and Light Gun Signals	100%	S	S	S
Airport and Runway Markings and Lighting	100%	S	S	S
Emergency Equipment and Survival Gear	100%	S	S	S
Minimum Equipment List	100%	S	S	S
Delta State Flight Operations Manual	100%	S	S	S
CAV 363 Lesson 32 Final Stagecheck Flight				
Ground Operations				

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Preflight Inspection	100%	S	S	S
Cockpit Management	100%	S	S	S
Engine Starting	100%	S	S	S
Taxiing	100%	S	S	S
Pre-Takeoff Check / Run-up	100%	S	S	S
Airport Operations				
Traffic Pattern Operations	100%	S	S	S
Takeoffs, Landing and Go-Around				
Normal and Crosswind Takeoff and Climb	100%	S	S	S
Short-Field Takeoff and Climb	100%	S	S	S
Normal/Crosswind Approach & Ldg	100%	S	S	S
Go-Around	100%	S	S	S
Short-Field Approach and Landing	100%	s	S	S
Performance Maneuvers				
Steep Turns	100%	S	S	S
Slow Flight and Stalls	100%	S	S	S
Maneuvering During Slow Flight	100%	S	S	S
Power Off Stalls	100%	S	S	S
Power On Stalls	100%	S	S	S
Emergency Operations				
System and Equipment Malfunction	100%	S	S	S
Maneuvering with One Engine Inop.	100%	S	S	S
Vmc Demonstration	100%	S	S	S
Engine Failure During Takeoff Before Vmc (Simulated)	100%	S	S	S
Engine Failure After Takeoff (Simulated)	100%	S	S	S
Emergency Descent	100%	S	S	S

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Aircraft Systems	100%	S	S	S
DA 42 Normal Operating Procedures	100%	S	S	S
DA 42 Emergency Operating Procedures	100%	S	S	S
DA 42 Performance and Limitations	100%	S	S	S
Collision/Wake Avoidance	100%	S	S	S
CAV 363 Lesson 10 Stagecheck FTD				
Cockpit Familiarization	100%	S	S	S
Use of Checklists	100%	S	S	S
Engine Starting and Warmup	100%	S	S	S
Engine Operation	100%	S	S	S
Pretakeoff Check / Runup	100%	S	S	S
Pretakeoff Briefing / Engine Failure Actions	100%	S	S	S
Takeoff and Departure	100%	S	S	S
Four Fundamentals	100%	S	S	S
Establishing Cruise	100%	S	S	S
Maneuvering During Slow Flight	100%	S	S	S
Power Off Stalls	100%	S	S	S
Power On Stalls	100%	S	S	S
Steep Turns	100%	S	S	S
Vmc Demonstration	100%	S	S	S
Engine Failure During Cruise	100%	S	S	S
In-flight Engine Shutdown Procedures	100%	S	S	S
Maneuvering With One Engine Inoperative	100%	S	S	S
In-flight Engine Restart Procedures	100%	S	S	S
Traffic Pattern Operations	100%	S	S	S

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Prelanding Check	100%	S	S	S
Arrival Procedures	100%	S	S	S
Engine Failure During Takeoff Before Vmc	100%	S	S	S
Engine Failure After Liftoff	100%	S	S	S
CAV 363 Lesson 31 Final Stagecheck Oral				
Certificate and Documents	100%	S	S	S
Obtaining Weather Information	100%	S	S	S
Operation of Airplane Systems	100%	S	S	S
Emergency Procedures	100%	S	S	S
Aerodynamics	100%	S	S	S
Determining Performance and Limitations	100%	S	S	S
Cross-Country Flight Planning	100%	S	S	S
Night Flight Operations	100%	S	S	S
Aero Medical Factors	100%	S	S	S
Radio Communications and Light Gun Signals	100%	S	S	S
Airport and Runway Markings and Lighting	100%	S	S	S
Emergency Equipment and Survival Gear	100%	S	S	S
Minimum Equipment List	100%	S	S	S
Delta State Flight Operations Manual	100%	S	S	S
CAV 363 Lesson 32 Final Stagecheck Flight				
Ground Operations				
Preflight Inspection	100%	S	S	S
Cockpit Management	100%	S	S	S

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Engine Starting	100%	S	S	S
Taxiing	100%	S	S	S
Pre-Takeoff Check / Run-up	100%	S	S	S
Airport Operations				
Traffic Pattern Operations	100%	S	S	S
Takeoffs, Landing and Go-Around				
Normal and Crosswind Takeoff and Climb	100%	S	S	S
Short-Field Takeoff and Climb	100%	S	S	S
Normal/Crosswind Approach & Ldg	100%	S	S	S
Go-Around	100%	S	S	S
Short-Field Approach and Landing	100%	s	S	S
Performance Maneuvers				
Steep Turns	100%	S	S	S
Slow Flight and Stalls	100%	S	S	S
Maneuvering During Slow Flight	100%	S	S	S
Power Off Stalls	100%	S	S	S
Power On Stalls	100%	S	S	S
Emergency Operations				
System and Equipment Malfunction	100%	S	S	S
Maneuvering with One Engine Inop.	100%	S	S	S
Vmc Demonstration	100%	S	S	S
Engine Failure During Takeoff Before Vmc (Simulated)	100%	S	S	S
Engine Failure After Takeoff (Simulated)	100%	S	S	S
Emergency Descent	100%	S	S	S
Approach and Landing with an Inoperative Engine (Simulated)	100%	S	S	S
Multi-Engine Operations				

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Engine Failure During Flight (IR)	100%	s	S	S
Instrument Approach - All Engines Operating (IR)	100%	s	S	S
Instrument Approach - One Engine Inoperative (IR)	100%	s	S	S
Post-flight Procedures				
After Landing	100%	s	S	S
Parking and Securing	100%	s	S	S

MULTI ENGINE CAV363

<u>PASS/FAIL</u>	<u>DATE</u>					141	61
	1st						
Ti, M -Pass	12/13/2013					x	
J, D-Fail	12/12/2013					x	
S, T- Fail	3-21-2014 (pass date)					x	
M, A- Pass	1/17/2014						x
H, D	6/12/2014	2nd				x	
M, D	7/28/2014					x	

Use of Evaluation Results

The learning outcome will be rewritten from CAV 360 to CAV 363 to reflect the new syllabus using the DA-42 Multi-engine aircraft for the initial Certified Flight Instructor Pilot Certificate.

Related Items

There are no related items.

MCA-01: US Laws & FAA

Start: 7/1/2013

End: 6/30/2014

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

Results of Evaluation

87% achieved and 85% or better for the final exam.

Use of Evaluation Results

The final exam questions will continuously be updated to remain relevant to the most current applications of aviation law.

Related Items

There are no related items.

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

Start: 7/1/2013

End: 6/30/2014

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

Results of Evaluation

61.5% correctly identified safety risk in a risk assessment.

70% correctly identified missed safety opportunities and safety issues with pilots swapping legs and seats in a cross country flight.

Use of Evaluation Results

The instructor will consider that not all students in the MCA have flight experience. Examples will be applicable to a broader range of aviation safety and airport issues.

Related Items

There are no related items.

MCA-03: Air Cargo economics and marketing

Start: 7/1/2013

End: 6/30/2014

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](#)

Results of Evaluation

Ch 3: 77% satisfactorily achieved outcome

Ch. 5: 55% satisfactorily achieved outcome

Ch. 8: 68% satisfactorily achieved outcome

Use of Evaluation Results

Students will be provided additional opportunity to meet this specific outcome and their requirements to meet the learning outcome will be better explained. The textbook does present the knowledge necessary for a student to achieve this outcome.

Related Items

There are no related items.

MCA-04: Human Factors

Start: 7/1/2013

End: 6/30/2014

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](#)

Results of Evaluation

Ch. 4: 74% satisfactorily achieved outcome

Ch. 6: 70% satisfactorily achieved outcome

Ch. 7: 56% satisfactorily achieved outcome

Paper: 82% satisfactorily achieved outcome

Use of Evaluation Results

Students will be provided additional opportunity to meet this specific outcome and their requirements to meet the learning outcome will be better explained. The textbook does present the knowledge necessary for a student to achieve this outcome. Clearly, the paper was the most beneficial in allowing students to meet this outcome.

Related Items

There are not related items.

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 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 multi-engine training, there are 3 Diamond DA-42 multi-engine 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.

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Section IV.b

Comparative data

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

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

Credit Hour Production						
	Summer 2013		Fall 2013		Spring 2014	
	UG	GR	UG	GR	UG	GR
Commercial Aviation (CAV)	24	259	603	219	386	186

Enrollment by Major						
	Summer 2013		Fall 2013		Spring 2014	
	UG	GR	UG	GR	UG	GR
Aviation Management	3	0	14	0	16	0
Commercial Aviation	0	33	0	44	0	46
Flight Operations	9	0	49	0	40	0
Total	12	33	63	44	56	46

2013-14 Graduates	
Aviation Management	
BCA	0
Commercial Aviation	
MCA	20
Flight Operations	
BCA	6

[Trend Data 2010-14 Commercial Aviation](#)

Sources

 [Trend Data 2010-14 Commercial Aviation](#)

Credit Hour Production							
	Summer		Fall		Spring		Total
	UG	GR	UG	GR	UG	GR	
CAV							
AY 2014	10	225	505	267	394	273	1674
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 2010	27	192	631	213	717	249	2029
AY Totals							
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 2010	27	192	631	213	717	249	2029

Graduates				
	Av MGT	Comm AV	Flight Ops	Total
	BCA	MCA	BCA	
AY 2014	0	20	6	26
AY 2013	7	21	9	37
AY 2012	7	20	11	38
AY 2011	9	23	17	49
AY 2010	4	11	11	26

Enrollment by Major						
	Summer		Fall		Spring	
	UG	GR	UG	GR	UG	GR
Aviation Management						
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
AY 2010	2	0	24	0	25	0
Commercial Aviation						
AY 2014						
AY 2013	0	38	0	40	0	35
AY 2012	0	30	0	48	0	43
AY 2011	0	38	0	48	0	45
AY 2010	0	36	0	44	0	51
Flight Operations						
AY 2014						
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 2014	3	0	14	0	16	0
AY 2013	18	38	66	40	62	35
AY 2012	19	30	81	48	63	43
AY 2011	26	38	95	48	75	45
AY 2010	18	36	89	44	88	51

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. 50 perspective students and parents attended the Spring 2014 session. To date 27 new students have registered for the Fall that attended the open houses in the last few years. We noticed and increased number of juniors that attend this event when comparing to years past. We hope to attract them for the next event and enroll once they complete High school.

Section IV.e

Grants, Contracts, Partnerships, Other Accomplishments

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

The Department of Commercial Aviation at DSU entered into a Guaranteed Interview Agreement with Express Jet for Flight Operations majors last year. Expressjet contacted CAV in the Spring 2014 to elevate the partnership to guaranteed hire program. This is a partnership that will give an opportunity to students to know they have a position with Expressjet after their training at DSU. This give a bit more secure in an ever changing field. Republic Airways also offered a partnership with hiring benefits for DSU graduates.

Delta State University signed an International Student Transfer Articulation Agreement with The University of North Alabama for International Students interested in the Bachelor of Commercial Aviation degree.

The Department of Commercial Aviation completed the application and was accepted into Candidacy status for Aviation Accreditation Board International. Additionally, CAV submitted the self-study and expects the accreditation visit in September 2014 for AABI.

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

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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

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 body serves as the curriculum committee and safety committee with the addition of mechanics John Little, Mark Cumins and student representation. Specifically members in 2013-2014 were Dr. Julie Speakes (chair of the curriculum committee), Brett Oleis, Sam Washington, Chip Cooper, Trey Rayburn (until December 2013), Rogel Campbell, Matt Mabus and Chad Jones (until May 2014). The minutes are taken and recorded by the departmental secretary. In her absence the minutes were taken by the department chair.

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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 (FAASTeam) presentation:

- Loss of Control -Angle of Attack, Automation Dependency
- Facilitator for this event: room, a/v equipment, meal, presenters, attendees.
- Presenter for one session of this event: “Controlled Flight into Terrain”

FAA Safety Team (FAASTeam) presentation

- Takeoff, Approaches and Landings
- Facilitator for this event: room, a/v equipment, meal, presenters, attendees.
- Presenter for one session of this event: “Takeoff, Approach & Landing”

FAA Safety Team (FAASTeam) presentation

- “Bird Strikes and How to Avoid Them' and 'Cockpit Distractions”
- Facilitator for this event: room, a/v equipment, meal, presenters, attendees.

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. Mr. Washington is the CAV Faculty senate representative and is very active in recruiting for the Commercial Aviation Department. Mr. Washington plans to pursue a Doctor of Business Administration.

Mr. Trey Rayburn, Instructor of Commercial Aviation (50%) divides his time between the airports an Assistant Chief Flight Instructor (50%). Mr. Rayburn also served as our safety officer. In this role he oversaw safety, refined our safety documents, held safety meetings and reported directly to the Department Chair. Mr. Rayburn was very active in recruiting for the Commercial Aviation Department. Mr. Rayburn left in December 2013 to pursue a pilot position with Sanderson-Farms Chicken in Laural, MS.

Delta State Univeristy FY2014 Unit Level Report
Department: Commercial Aviation

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 Authorization 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. Matt Mabus, Assistant Chief Flight Instructor, rejoined CAV Department in August 2014. 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. Rogel Campbell, Staff Flight Instructor, rejoined CAV Department in June 2013. Mr. Campbell is a Part 141 Flight Instructor with examining authority for the Private Pilot and the Instrument rating. Mr. Campbell recently earned his Multi-Engine Flight Instructor Rating. Mr. Campbell will continue the Master of Commercial Aviation degree this Fall.

Mr. Mark Cummins, aircraft mechanic, has attended and completed the following: Federal Aviation Administration Inspection Authorization refresher course @ Hinds Community College (2/14).

Ms. Margo Evans, Flight dispatcher, joined DSU April 2014. Ms. Evans came to DSU from industry as an FAA Flight Attendant certification, FAA Check Airman, Flight attendant instructor, ground instructor, and a technical pubs writer for FAA Part 91/125/135 Airlines. 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 (2/14).

Ms. Sheila Millican, Senior Secretary/ Test Center Proctor for Commercial Aviation. Shelia Millican proctored tests in the PSI/Laser grade Testing Center in Gibson-Gunn. Ms. Millican was on FMLA from May 1 until October 1. Her duties were divided between Phillip Kranser, Chip Cooper, and Julie Speakes. Additionally Rebecca Hochradel, Chair of Marketing, Management, and Business Administration has been named the Test Center Supervisor. Julie Speakes is also serving as a test center supervisor however, cannot serve permanently because of the issues the Pilot certificates and Ratings for the FAA. Ms. Millican was removed as the Test Center Supervisor. Rebecca Hochradel will remain the Test Center Superior.

Delta State University FY2014 Unit Level Report
Department: Commercial Aviation

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 an Educator member who also serves on the accreditation committee, an 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 2013-2014.

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, 2013 to present
 - Membership Committee Chair, 2008 to 2013
 - 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:

The International Student within Collegiate Aviation: Maximizing the Global Experience, Co presenter with Lulu-A-Ferdous, Julius Keller, Chien-tsung Lu, and Dr. Daniel Prather. University Aviation Association Annual Meeting, San Juan, PR, November, 2013

Attended the following professional meetings:

- Aviation Accreditation Board International Summer Conference, Kansas City, Mo, July 2013
- Women in Aviation International Orlando, FL March, 2014
- Aviation Accreditation Board International Winter Meeting, Auburn, AL February, 2014
- University Aviation Association Annual Meeting, San Juan, PR, November, 2013

Delta State Univeristy FY2014 Unit Level Report
Department: Commercial Aviation

PROFESSIONAL GROWTH ACTIVITIES:

- Completed proctor qualification for PSI/Lasergrade, May 2013; May 2014
- Completed Test Center Supervisor qualifications for PSI/Lasergrade, May 2013
- TSA Flight School Security Awareness Training, January, 2013, April 2014
- FAA Airman Certification Representative Training for Delta State University, October 2013; October 2014
- Completed proctor qualification for PSI/Lasergrade, August, 2012; May 2013; June 2014
- Renew FAA Certified Flight Instructor Gold Seal Rating, July, 2014

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

Delta State University FY2014 Unit Level Report
Department: Commercial Aviation

Section VI.a

Changes Made in the Past Year

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

We are implementing a new track Fall 2014 in Aviation Management track for Logistics. We have a signed 2+2 agreement with University North Alabama to infuse International Students into the CAV department. Additionally, we plan to implement a dispatcher license program as suggested by our stakeholders in the airline industry.

In Fall 2013, The CAV had a program review scheduled by The University Aviation Association. Additionally, The CAV programs will started the self-study for the Aviation Accreditation Board International (AABI) in Fall 2013. The AABI cite visit is planned for Fall 2014. This accreditation will open up more bridge programs and hiring programs with the airlines and aviation industry.

Section VI.b

Recommended Changes for the Coming Year

Judgment

Meets Standards Does Not Meet Standards Not Applicable

Narrative

The Department of Commercial Aviation is scheduled to have a site visit September 6th- 9th for Aviation Accreditation Board International (AABI).

The Department of Commercial Aviation will offer a logistics track on the aviation management major. This will help meet industry needs and attract more students to the aviation department. Additionally, The Department of Commercial Aviation at DSU hopes formalize a 2+2 program with the University of North Alabama to attract international students to the aviation programs. Dr. Admit Verma was hired to teach the Logistics courses.

Additionally, The CAV department is making additional curriculum changes to meet the new FAA rules: The new rule 2120-AJ67 provisions affect 14 CFR Part(s) 61, 121, 135, 141, and 142; it and the associated explanations were published July 10 and can be downloaded at http://www.faa.gov/regulations_policies/rulemaking/recently_published/ . Advisory Circulars 61-138 and 61-139 provide guidance on implementation of the provisions of the rule. The AC's are available at http://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_61-138.pdf and http://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_61-139.pdf.

The CAV Department will research the appropriate flight training device to meet the FAA rule deadline of August 2014 for the restricted ATP rating. The Procurement process will be pending hopefully by Fall 2013 semester. Additional curriculum changes will be forthcoming once the flight training device is ordered and the syllabi created to meet this new FAA requirement for our students.

The CAV department is considering adding a Dispatcher program to the aviation management major as suggested by industry.

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.

- 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:

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

Form revised January 6,

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:



The Opportunities of Tupelo Regional Airport



Opportunities of Tupelo Airport

Among the many opportunities that Tupelo has are.

1. Increase flight training
2. Offer Radar validation
3. Better Co-ordination between airports, museums and other attraction sites



Opportunity

#1. Increase flight training

- ▶ Increased flight training leads to
 - ▶ Availability of potential pilots
 - ▶ Each landing and take off performed during flight training is accounted for as an air craft operation and it adds up when it comes to the FAA increasing airport improvement program funding (AIP)



Opportunity #2. Offer Radar validation

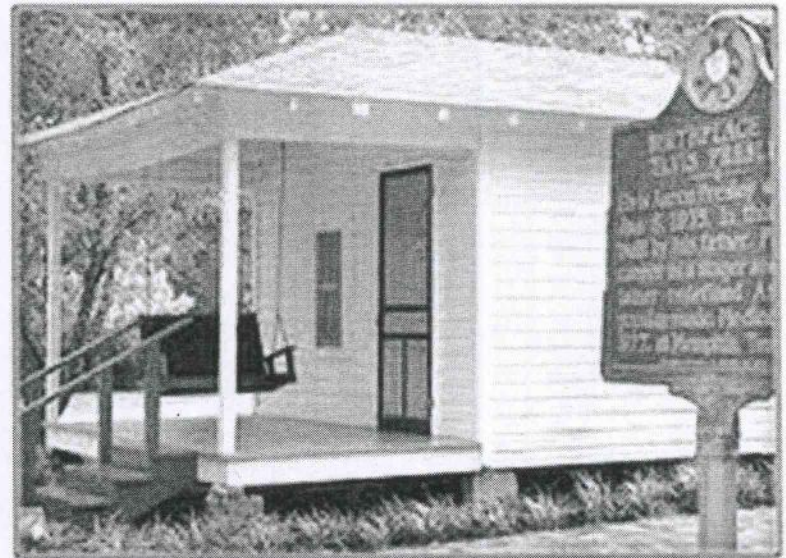
- ▶ For Tupelo to have a great future it is important that it involves itself with future prospective technology.
- ▶ Being a small airport close to Memphis –it can work hand in hand with Fedex and try out Next Gen products.
- ▶ The advantage of this, is that there isn't so many traffic to be affected and the little there is will be highly improved



Opportunity

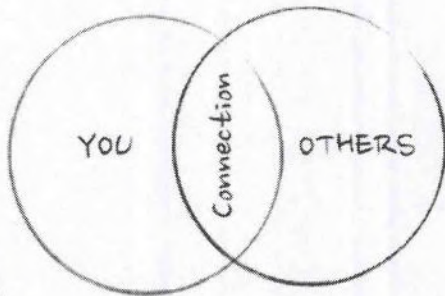
#3. Better Co-ordination between airports and attraction sites

- ▶ Tupelo has the following attraction sites as attraction sites. If properly advertised this attraction sites can bring potential traffic to the area.
 - ▶ Elvis Presley Birthplace and Museum
 - ▶ Tupelo Buffalo Park & Zoo
 - ▶ Tupelo automobile Museum
 - ▶ Tupelo Attraction

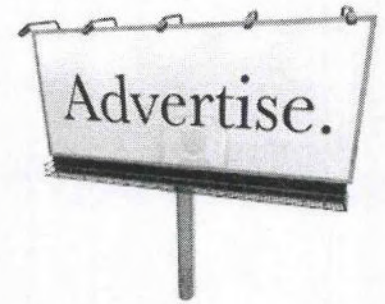


Tapping into these opportunities.

- ▶ Knowing potential opportunities is not enough, it is vital to understand ways in which to tap them. This can be done by
 - ▶ Advertise
 - ▶ Connection
 - ▶ Communication
 - ▶ Building Rapport



Promotions!





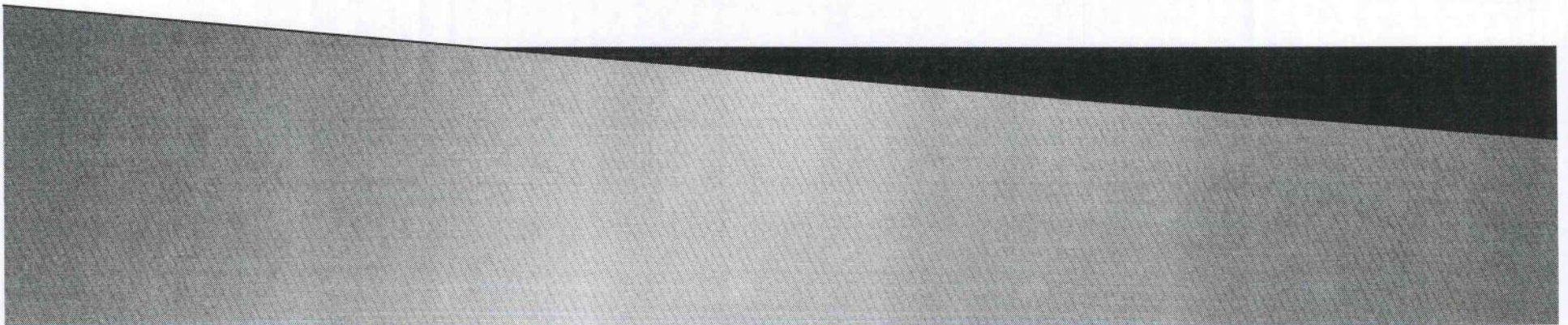
Conclusion

- Knowing opportunities and how to tap them is essential in making improvement and positive progress.
- To ensure improvements do not happen in one particular period, it is important to,
 - Diligent Efforts
 - Follow ups

Small Steps to a Greater Plan

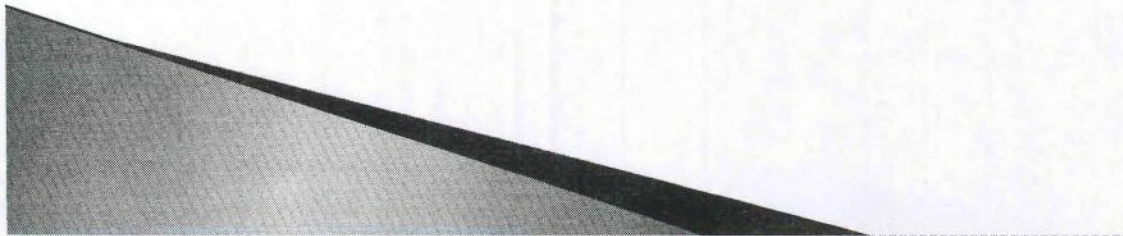
For Tupelo Regional Airport

By: Justin Holt



Increase Flight Training

- ▶ Increase airport operations.
- ▶ Which makes the airport more money.
- ▶ The more pilots we train more publicity we receive all over the world.



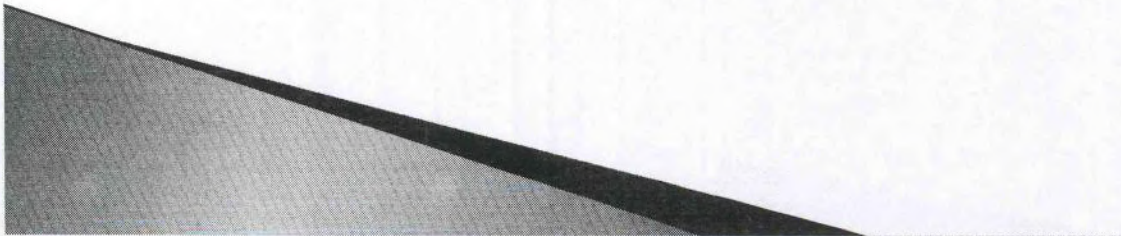
Attract Industry

- ▶ One of the biggest furniture manufactures in the US.
- ▶ Offer a place to build a hanger.
- ▶ Go out and bring companies to Tupelo with the agreement that they have land at the airport for a hanger or to put their company on.



Easy And Cheap

- ▶ Better coordinate the airport with tourist attractions.
 - Brochures
 - Maps



Tupelo Regional Airport

Opportunities for the Future

Increase Flight Training

- Increasing flight training could:
 - Be a small cost
 - Increase interest in Aviation
 - Provide more profit for the airport
 - Increase airport traffic
 - Become a tourist attraction for those interested in aviation

Offer Radar Validation

- Offering radar validation could:
 - Enhances situational awareness and safety of the airport
 - Include avian radar validation
 - Help NextGen to modernize the airport
 - Accommodate airport growth
 - Increase airport traffic

Better Coordination Between Airport And Community

- Better coordination between airport And community could:
 - Inform community of the importance of the airport
 - Attract local vendors to the airport
 - Help the airport to advertise local tourism attractions
 - Help the community to advertise the airport

Conclusion

- Increasing flight training, offering radar validation, and having better coordination between airport and community would be
 - The most cost effective opportunities
 - The most beneficial opportunities
 - The most logical opportunities

Date Submitted: (or Resubmitted)	01/15/2014 Approved by	Term Submitted:	Spring 2014
Course Number:	CAV 382	# of Sections:	1
Course Name:	Airport Management	# of Students:	9
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.

- 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 and project	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.	78 percent of students scored 80 percent or higher on the examination questions. DOES NOT MEET ASSESSMENT GOAL.	Spend at least one additional class period discussing systems and organizations to increase student 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 80 percent or higher. 2) Students. 3) End of course. 4) Professor.	67 percent of students scored 80 percent or higher on examination questions. DOES NOT MEET ASSESSMENT GOAL.	Spend at least one additional class period discussing the airport environment to increase student understanding.
3	3) Students will interpret airport administration and finances.	Examination questions and project	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.	78 percent of students scored 80 percent or higher on examination questions. DOES NOT MEET ASSESSMENT GOAL.	Spend at least one additional class period discussing airport administration and finance to increase student 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 80 percent or higher. 2) Students. 3) End of course.	78 percent of students scored 80 percent or higher on examination questions. DOES NOT MEET ASSESSMENT GOAL.	Spend at least one additional class period discussing airport capacity and its effects on operations to increase student understanding.

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:

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.

- 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.

Comments:

Division Chair Signature

Date:

Assessment Committee Chair Signature

Date:

Vice President of Academic Affairs Signature

Date:

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.

- 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.

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:

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.

- 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

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
2012

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.

- 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.

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: _____

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

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:

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.faa.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.

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: _____

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.

- 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

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
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Comments:

Division Chair Signature

_____ Date:

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Vice President of Academic Affairs Signature

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