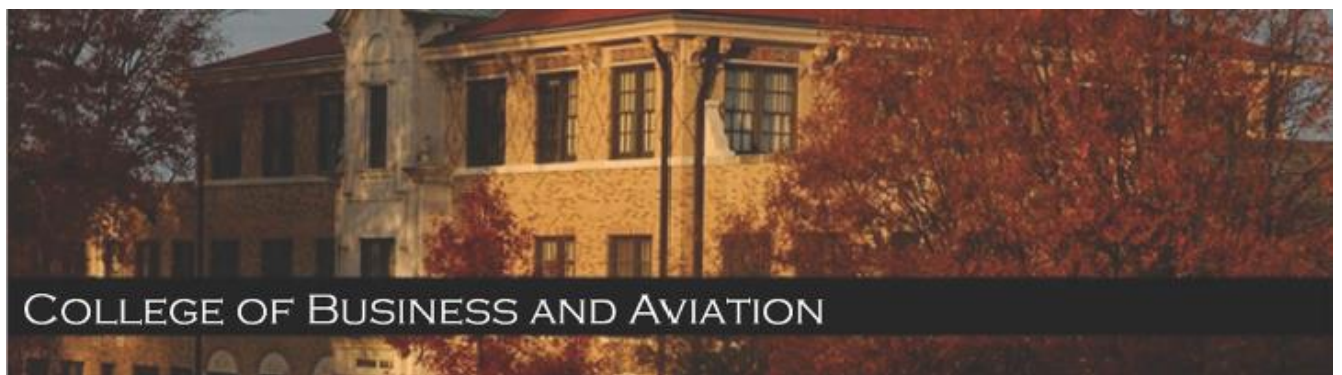


DELTA STATE UNIVERSITY

College of Business and Aviation Department of Commercial Aviation Student Learning Outcomes 2017-2019



Program Outcomes – Flight Operations

BCA – Flight Operations-01: Commercial Pilot Skills

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.

**BACHELOR OF COMMERCIAL AVIATION (BCA)
FLIGHT OPERATIONS – CAV 350**

		Analysis of Results							
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken						
A1. 70% of students enrolled in CAV 350 will demonstrate knowledge of the regulatory requirements that must be met for pilots and aircraft operating under IFR in the national airspace system by scoring 70% or higher on embedded test questions.	Embedded exam questions	<p align="center">A1 - % of CAV 350 Students scoring 70% or higher -</p> <table border="1"> <caption>A1 - % of CAV 350 Students scoring 70% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>82%</td> </tr> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	82%	Spring 2019	100%	<i>Increase the number of times materials throughout the semester.</i>
Academic Year	Percentage								
Spring 2018	82%								
Spring 2019	100%								
A2. 70% of students enrolled in CAV 350 will demonstrate the ability to explain the operation of pilot-static and gyroscopic flight instruments and their errors by scoring 70% or higher on embedded test questions.		<p align="center">A2 - % of CAV 350 Students scoring 70% or higher -</p> <table border="1"> <caption>A2 - % of CAV 350 Students scoring 70% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>94%</td> </tr> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	94%	Spring 2019	100%	
Academic Year	Percentage								
Spring 2018	94%								
Spring 2019	100%								
A3. 70% of students enrolled in CAV 350 will demonstrate the ability to read and interpret Departure Procedure Charts, Low Altitude En-Route Charts, Standard Terminal Arrival Charts, and Instrument Approach Procedure Charts by scoring 70% or higher on embedded test questions.		<p align="center">A3 - % of CAV 350 Students scoring 70% or higher -</p> <table border="1"> <caption>A3 - % of CAV 350 Students scoring 70% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>71%</td> </tr> <tr> <td>Spring 2019</td> <td>20%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	71%	Spring 2019	20%	
Academic Year	Percentage								
Spring 2018	71%								
Spring 2019	20%								
A4. 70% of students enrolled in CAV 350 will demonstrate knowledge of ADM and aeromedical factors as it pertains to IMC flight by scoring 70% or higher on embedded test questions.		<p align="center">A4 - % of CAV 350 Students scoring 70% or higher -</p> <table border="1"> <caption>A4 - % of CAV 350 Students scoring 70% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>76%</td> </tr> <tr> <td>Spring 2019</td> <td>60%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	76%	Spring 2019	60%	
Academic Year	Percentage								
Spring 2018	76%								
Spring 2019	60%								

Program Outcomes – Flight Operations

BCA – Flight Operations-01: Commercial Pilot Skills

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.

BACHELOR OF COMMERCIAL AVIATION (BCA)
FLIGHT OPERATIONS – CAV 352 & CAV 355

		Analysis of Results									
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken								
A5. 80% of students enrolled in CAV 352 will take 90% of the practice chapter in preparation for the retake of the ASA Commercial test prep test.	Written Exam FAA Written Exam FAA Commercial Pilot Written & Practical Exams	<p align="center">A5 - % of CAV 352 Students scoring 80% or higher -</p> <table border="1"> <caption>A5 - % of CAV 352 Students scoring 80% or higher -</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>100%</td> </tr> <tr> <td>Fall 2018</td> <td>60%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	100%	Fall 2018	60%	<p><i>CAV 352 Continue to require the ASA Commercial test prep practice chapter test. Will have Canvas automatically to post a zero grade if the student does not attempt the practice. This policy will encourage the student to take the practice test. Continue to require the use of Aircraft familiarization sheets for each aircraft in CAV 352. Students will present the material in class.</i></p>		
Academic Year	Percentage										
Spring 2018	100%										
Fall 2018	60%										
A6. 75% of students enrolled in CAV 352 will identify components of both multi-engine and single- engine aircraft on a test with a score of 80% or higher.		<p align="center">A6 - % of CAV 352 Students scoring 75% or higher -</p> <table border="1"> <caption>A6 - % of CAV 352 Students scoring 75% or higher -</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>40%</td> </tr> <tr> <td>Fall 2018</td> <td>80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	40%	Fall 2018	80%			
Academic Year	Percentage										
Spring 2018	40%										
Fall 2018	80%										
A7: 100% of students enrolled in the CAV 355 course will demonstrate the ability to successfully complete the stage check on the first attempt.	Stage Check	<p align="center">A7 - % of CAV 355 Students passing stage check on 1st Attempt</p> <table border="1"> <caption>A7 - % of CAV 355 Students passing stage check on 1st Attempt</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring-Summer 2018</td> <td>~60%</td> </tr> <tr> <td>Fall 2018</td> <td>~80%</td> </tr> <tr> <td>Spring 2019</td> <td>~80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring-Summer 2018	~60%	Fall 2018	~80%	Spring 2019	~80%	<p><i>CAV 355 – Continue to adhere to FAA Standards.</i></p>
Academic Year	Percentage										
Spring-Summer 2018	~60%										
Fall 2018	~80%										
Spring 2019	~80%										

Program Outcomes – Flight Operations

BCA – Flight Operations-01: Commercial Pilot Skills

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.

**BACHELOR OF COMMERCIAL AVIATION (BCA)
FLIGHT OPERATIONS – CAV 420**

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A8: 75% of students enrolled in the CAV 420 course will demonstrate a knowledge of aircraft systems and operations required of commercial pilots to fly single and multi- engines airplanes under both the VFR and IFR by completing a written examination with a score of 70% or higher.	FAA Written Exam	<p>A8 - % of CAV 420 Students scoring 70% or higher -</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Spring 2019</td> <td>75%</td> </tr> </table>	Academic Year	Percentage	Spring 2019	75%	<p><i>Increase the number of times materials throughout the semester.</i></p> <p><i>CAV 420 Increase the teaching of CRM. Also, including two additional weeks of ground training before getting into the FTD.</i></p>
Academic Year	Percentage						
Spring 2019	75%						
A9: 75% of students enrolled in the CAV 420 course will demonstrate the ability to discuss different aspects of operating in airline and crew settings while engaged in online discussions.	Online Discussion – Operation Airline & Crew Settings	<p>A9 - % of CAV 420 Students - online discussions</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Spring 2019</td> <td>75%</td> </tr> </table>	Academic Year	Percentage	Spring 2019	75%	
Academic Year	Percentage						
Spring 2019	75%						
A10: 75% of students enrolled in the CAV 420 course will demonstrate the ability to successfully complete the Line-Oriented Flight Exercise (LOFT) with a score of 80% or higher.	Line- Oriented Flight Exercise (LOFT)	<p>A10 - % of CAV 420 Students - scoring 80% higher on LOFT</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Spring 2019</td> <td>75%</td> </tr> </table>	Academic Year	Percentage	Spring 2019	75%	
Academic Year	Percentage						
Spring 2019	75%						

Program Outcomes – Flight Operations

BCA – Flight Operations-02: Federal Aviation Regulations

Flight Operation majors will have a thorough and comprehensive understanding of Federal Aviation Regulations.

BACHELOR OF COMMERCIAL AVIATION (BCA)

FLIGHT OPERATIONS – CAV 352, CAV 355, & CAV 360

		Analysis of Results									
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken								
A1: 75% of students enrolled in the CAV 352 course will identify the components on a test with a core of 80% or higher.	Commercial Ground Written Exam	<p>A1 - % of CAV 352 Students - scoring 80% or higher</p> <table border="1"> <caption>A1 - % of CAV 352 Students - scoring 80% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>40%</td> </tr> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	40%	Fall 2018	100%	CAV 352 Continue to require correctly identified common types of Oxygen Environmental Systems and CFR regulations in general aviation aircraft. In addition, develop an exam covering just this material.		
Academic Year	Percentage										
Spring 2018	40%										
Fall 2018	100%										
A2: 100% of students enrolled in the CAV 355 course will demonstrate the ability to successfully complete the stage check on the first attempt.	Stage Check	<p>A2 - % of CAV 355 Students passing stage check on 1st Attempt</p> <table border="1"> <caption>A2 - % of CAV 355 Students passing stage check on 1st Attempt</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring-Summer 2018</td> <td>60%</td> </tr> <tr> <td>Fall 2018</td> <td>80%</td> </tr> <tr> <td>Spring 2019</td> <td>80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring-Summer 2018	60%	Fall 2018	80%	Spring 2019	80%	CAV 355 Continue to hold the FAA standards.
Academic Year	Percentage										
Spring-Summer 2018	60%										
Fall 2018	80%										
Spring 2019	80%										
A3: 75% of students enrolled in CAV 360 will demonstrate knowledge of both the multi-engine and single-engine aircraft familiarization.	Written Exams Embedded Questions	<p>A3 - % of CAV 360 Students - scoring 80% or higher</p> <table border="1"> <caption>A3 - % of CAV 360 Students - scoring 80% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>65%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	65%	CAV 360 Adjust materials coverage with the goal of covering additional material. Continue to add course content via class participation, group discussion, and improve scenario training. Continue to require the FAA FIA written and the FAA FOI written exams.				
Academic Year	Percentage										
Spring 2019	65%										

Program Outcomes – Flight Operations

BCA – Flight Operations-02: Federal Aviation Regulations

Flight Operation majors will have a thorough and comprehensive understanding of Federal Aviation Regulations.

BACHELOR OF COMMERCIAL AVIATION (BCA)

FLIGHT OPERATIONS – CAV 360

		Analysis of Results							
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken						
A5. 70% of students enrolled in CAV 360 will demonstrate the ability to discuss the Special Emphasis Areas listed in CFI PTS by scoring 70% or higher on the examination embedded questions.	Written Exam Embedded Questions	<p align="center">A5 - % of CAV 360 Students - scoring 70% or higher</p> <table border="1"> <caption>A5 - % of CAV 360 Students - scoring 70% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>96%</td> </tr> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	96%	Spring 2019	100%	CAV 360 Adjust materials coverage with the goal of covering additional material. Continue to add course content via class participation, group discussion, and improve scenario training. Continue to require the FAA FIA written and the FAA FOI written exams.
Academic Year	Percentage								
Spring 2018	96%								
Spring 2019	100%								
A6. 75% of students enrolled in CAV 360 will demonstrate the ability to identify and use Aircraft Performance Charts and Graphs by scoring 80% or higher on embedded test questions.		<p align="center">A6 - % of CAV 360 Students - scoring 80% or higher</p> <table border="1"> <caption>A6 - % of CAV 360 Students - scoring 80% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>65%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	65%	CAV 360 Adjust materials coverage with the goal of covering additional material. Continue to add course content via class participation, group discussion, and improve scenario training. Continue to require the FAA FIA written and the FAA FOI written exams.		
Academic Year	Percentage								
Spring 2018	65%								
A7. 75% of the students enrolled in CAV 360 will demonstrate the ability to communicate with clear purpose and organization the proper actions a pilot takes when performing Commercial Maneuvers and Completion Standards by scoring 80% or higher on an oral and written assessment.		<p align="center">A7 - % of CAV 360 Students - scoring 80% or higher</p> <table border="1"> <caption>A7 - % of CAV 360 Students - scoring 80% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>0%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	0%			
Academic Year	Percentage								
Spring 2018	0%								
A8. 80% of students enrolled in CAV 360 will demonstrate knowledge of the proper procedure and the ability endorse pilot certificates, log books, and medical certificates as a CFI, teach the required documents, certificates, and airworthiness inspections required for Part 91 training airplanes by earning 75% or higher overall grade on embedded test questions.		<p align="center">A8 - % of CAV 360 Students - scoring 75% or higher</p> <table border="1"> <caption>A8 - % of CAV 360 Students - scoring 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%			
Academic Year	Percentage								
Spring 2019	100%								

Program Outcomes – Flight Operations

BCA – Flight Operations-02: Federal Aviation Regulations

Flight Operation majors will have a thorough and comprehensive understanding of Federal Aviation Regulations.

BACHELOR OF COMMERCIAL AVIATION (BCA)

FLIGHT OPERATIONS – CAV 360, CAV 361, & CAV 371

		Analysis of Results									
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken								
A9. 80% of students enrolled in CAV 360 will demonstrate a thorough understanding of aerodynamics by earning 75% or higher overall grade on embedded test questions.	Written Exam Embedded Questions	<p>A9 - % of CAV 360 Students - scoring 75% or higher</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </table>	Academic Year	Percentage	Spring 2019	100%	CAV 360 Adjust materials coverage with the goal of covering additional material. Continue to add course content via class participation, group discussion, and improve scenario training. Continue to require the FAA FIA written and the FAA FOI written exams.				
Academic Year	Percentage										
Spring 2019	100%										
A10: 100% of students enrolled in the CAV 361 course will demonstrate the ability to successfully complete the stage check on the first attempt.	Stage Check	<p>A10 - % of CAV 361 Students passing stage check on 1st Attempt</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Spring-Summer 2018</td> <td>100%</td> </tr> <tr> <td>Fall 2018</td> <td>~88%</td> </tr> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </table>	Academic Year	Percentage	Spring-Summer 2018	100%	Fall 2018	~88%	Spring 2019	100%	CAV 361 Continue to hold FAA standards on stage checks.
Academic Year	Percentage										
Spring-Summer 2018	100%										
Fall 2018	~88%										
Spring 2019	100%										
A11: 80% of students enrolled in the CAV 371 course will demonstrate a working knowledge of applicable aviation laws to various scenarios and conditions by earning 75% or higher on their final grade.	FAA Written Exams	<p>A11 - % of CAV 360 Students - scoring 75% or higher</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Fall 18</td> <td>80%</td> </tr> </table>	Academic Year	Percentage	Fall 18	80%	CAV 371 The instructor will continue to add more in-depth questions to increase the rigor of the examination and seek out more advanced legal cases to include in the mock trial.				
Academic Year	Percentage										
Fall 18	80%										
A12: 80% of students enrolled in the CAV 371 course will demonstrate a basic knowledge of the U. S. legal system in aviation by earning 75% or higher on their overall grade.		<p>A12 - % of CAV 360 Students - scoring 75% or higher</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Fall 18</td> <td>80%</td> </tr> </table>	Academic Year	Percentage	Fall 18	80%					
Academic Year	Percentage										
Fall 18	80%										

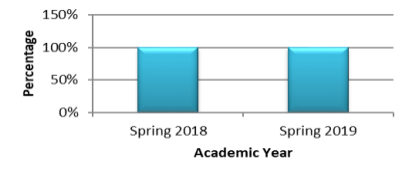
Program Outcomes – Flight Operations

BCA – Flight Operations-03: Communication Skills

Flight Operation majors will possess technical communications skills.

**BACHELOR OF COMMERCIAL AVIATION (BCA)
FLIGHT OPERATIONS – CAV 352, CAV 355, CAV 361 & CAV 387**

		Analysis of Results									
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken								
A1. 75% of students enrolled in the CAV 352 will correctly identify and use Aircraft Performance Charts and Graphs components on a test with an 80% or higher score.	Written Exam Embedded Questions	<table border="1"> <caption>A1 - % of CAV 352 Students - scoring 80% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>60%</td> </tr> <tr> <td>Fall 2018</td> <td>60%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	60%	Fall 2018	60%	CAV 352 Continue to require the use of Aircraft Performance Charts and Graphs. Have the students to present the material in class.		
Academic Year	Percentage										
Spring 2018	60%										
Fall 2018	60%										
A2. 75% of the students enrolled in CAV 352 will pass both the written and oral assessment with an 85% or higher score.		<table border="1"> <caption>A2 - % of CAV 352 Students - scoring 85% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>0%</td> </tr> <tr> <td>Fall 2018</td> <td>60%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	0%	Fall 2018	60%	CAV 352 Continue to require project presentation. This learning outcome helped to build students' knowledge, confidence, and delivery of materials.		
Academic Year	Percentage										
Spring 2018	0%										
Fall 2018	60%										
A3: 100% of students enrolled in the CAV 355 course will demonstrate the ability to successfully complete the stage check on the first attempt.	Stage Check	<table border="1"> <caption>A3 - % of CAV 355 Students passing stage check on 1st Attempt</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring-Summer 2018</td> <td>98%</td> </tr> <tr> <td>Fall 2018</td> <td>88%</td> </tr> <tr> <td>Spring 2019</td> <td>98%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring-Summer 2018	98%	Fall 2018	88%	Spring 2019	98%	CAV 355 Continue to require adherence to FAA standards. CAV 361 Continue to hold FAA standards on stage checks.
Academic Year	Percentage										
Spring-Summer 2018	98%										
Fall 2018	88%										
Spring 2019	98%										
A4: 100% of students enrolled in the CAV 361 course will demonstrate the ability to successfully complete the stage check on the first attempt.	Stage Check	<table border="1"> <caption>A4 - % of CAV 361 Students passing stage check on 1st Attempt</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring-Summer 2018</td> <td>60%</td> </tr> <tr> <td>Fall 2018</td> <td>80%</td> </tr> <tr> <td>Spring 2019</td> <td>80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring-Summer 2018	60%	Fall 2018	80%	Spring 2019	80%	CAV 387 Continue to require the principles of electricity. In addition use the JAA ATPL Training #6 Electric books Chapter 1 Basic Terminology & Chapter 3 Aircraft Batteries DC along with other materials. Continue to require the electrical systems of the Cessna and DA-42 aircraft. In addition, test on the study of Beechcraft 1900 electrical system. Continue to require how Newton's law relates to turbine engine. Continue to require the oral project with the submission of PowerPoint presentation two weeks prior to presentation.
Academic Year	Percentage										
Spring-Summer 2018	60%										
Fall 2018	80%										
Spring 2019	80%										

<p>A5. 80% of students enrolled in CAV 387 will demonstrate the ability to verbally communicate with clear purpose, organization, and presentation style based on aircraft systems by scoring 90% or higher on oral presentation assessed using a rubric.</p>	<p>FAA Written Exams</p>	<p>A5 - % of CAV 387 Students - scoring 85% or higher</p>  <table border="1"> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>100%</td> </tr> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	100%	Spring 2019	100%	
Academic Year	Percentage								
Spring 2018	100%								
Spring 2019	100%								

Program Outcomes – Aviation Management

BCA – Aviation Management-01: Federal Aviation Regulations

Aviation Management majors will have a thorough and comprehensive understanding of Federal aviation regulations.

**BACHELOR OF COMMERCIAL AVIATION (BCA)
AVIATION MANAGEMENT – CAV 371 & CAV 372**

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A1: 80% of students enrolled in the CAV 371 course will demonstrate a working knowledge of applicable aviation laws to various scenarios and conditions by earning 75% or higher on their final grade.	Written Examinations Embedded exam questions	<p align="center">A1 - % of CAV 371 Students - earning 75% or higher overall grade</p> <table border="1"> <caption>A1 - % of CAV 371 Students - earning 75% or higher overall grade</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	<p><i>CAV 371 The instructor will continue to add more in-depth questions to increase the rigor of the examination and seek out more advanced legal cases to include in the mock trial.</i></p> <p><i>CAV 372 Continue as presently going with embedded test questions class discussion.</i></p>
Academic Year	Percentage						
Fall 2018	100%						
A2: 80% of students enrolled in the CAV 371 course will demonstrate a basic knowledge of the U. S. legal system in aviation by earning 75% or higher on their overall grade.		<p align="center">A2 - % of CAV 371 Students - earning 75% or higher overall grade</p> <table border="1"> <caption>A2 - % of CAV 371 Students - earning 75% or higher overall grade</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						
A3: 80% of students enrolled in the CAV 372 course will demonstrate the ability to identify and explain worldwide regulatory information in aviation by earning 75% or higher on their overall grade.		<p align="center">A3 - % of CAV 372 Students - earning 75% or higher overall grade</p> <table border="1"> <caption>A3 - % of CAV 372 Students - earning 75% or higher overall grade</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						
A4: 80% of students enrolled in the CAV 372 course will demonstrate the ability to compare and contrast the main themes of aviation safety by earning 75% or higher on their overall grade.		<p align="center">A4 - % of CAV 372 Students - earning 75% or higher overall grade</p> <table border="1"> <caption>A4 - % of CAV 372 Students - earning 75% or higher overall grade</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						

Program Outcomes – Aviation Management

BCA – Aviation Management-01: Federal Aviation Regulations

Aviation Management majors will have a thorough and comprehensive understanding of Federal aviation regulations.

**BACHELOR OF COMMERCIAL AVIATION (BCA)
AVIATION MANAGEMENT – CAV 372 & CAV 379**

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A5: 80% of students enrolled in the CAV 372 course will demonstrate an understanding of safety management systems by earning 75% or higher on their overall grade.	Written Exam Embedded Questions	<p>A5 - % of CAV 372 Students - earning 75% or higher overall grade</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Fall 2018</td> <td>80%</td> </tr> </table>	Academic Year	Percentage	Fall 2018	80%	<p><i>CAV 372 Continue as presently going with embedded test questions class discussion.</i></p> <p><i>CAV 379 The instructor will bring in outside evaluators and gain more critiques from a broader cross section of professionals in the field. The instructor will add different assessment method next time this course is taught.</i></p>
Academic Year	Percentage						
Fall 2018	80%						
A6: 80% of students enrolled in the CAV 372 course will demonstrate an ability to identify situations and determine their legal stance by earning 75% or higher on their overall grade.		<p>A6 - % of CAV 372 Students - earning 75% or higher overall grade</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Fall 2018</td> <td>80%</td> </tr> </table>	Academic Year	Percentage	Fall 2018	80%	
Academic Year	Percentage						
Fall 2018	80%						
A7: 80% of students enrolled in the CAV 372 course will demonstrate an ability to determine and find current aviation law by earning 75% or higher on their overall grade.		<p>A7 - % of CAV 372 Students - earning 75% or higher overall grade</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Fall 2018</td> <td>80%</td> </tr> </table>	Academic Year	Percentage	Fall 2018	80%	
Academic Year	Percentage						
Fall 2018	80%						
A8: 80% of students enrolled in CAV 379 course will demonstrate the ability to explain the role of general aviation services by earning 75% or higher on their overall grade.		<p>A8 - % of CAV 379 Students - earning 75% or higher overall grade</p> <table border="1"> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> <tr> <td>Fall 2018</td> <td>80%</td> </tr> </table>	Academic Year	Percentage	Fall 2018	80%	
Academic Year	Percentage						
Fall 2018	80%						

Program Outcomes – Aviation Management

BCA – Aviation Management-01: Federal Aviation Regulations

Aviation Management majors will have a thorough and comprehensive understanding of Federal aviation regulations.

BACHELOR OF COMMERCIAL AVIATION (BCA)

AVIATION MANAGEMENT – CAV 379 & CAV 380

		Analysis of Results	
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken
A9: 80% of students enrolled in CAV 379 course will demonstrate a basic knowledge of the importance of human resources by earning 75% or higher on their overall grade.	Written Exam Embedded Questions		CAV 379 The instructor will bring in outside evaluators and gain more critiques from a broader cross section of professionals in the field. The instructor will add different assessment method next time this course is taught.
A10: 85% of students enrolled in the CAV 380 course will demonstrate knowledge of air transportation systems.	Class Project		CAV 380 The instructor will continue to use the class project as a means of evaluation the students' understanding of the aerospace industry. Instructor will add more aerospace examples to the class to strengthen student understanding of aerospace functions. Continue to use the group project as a means of evaluating the students' understanding of FARs. Instructor will add more FAR contingencies to the project to strengthen student understanding of FARs.
A11: 85% of students enrolled in the CAV 380 course will demonstrate an understanding of the history and development of air transportation systems.			

Program Outcomes – Aviation Management

BCA – Aviation Management-01: Federal Aviation Regulations

Aviation Management majors will have a thorough and comprehensive understanding of Federal aviation regulations.

**BACHELOR OF COMMERCIAL AVIATION (BCA)
AVIATION MANAGEMENT – CAV 380 & CAV 382**

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A13: 85% of students enrolled in the CAV 380 course will demonstrate an ability to differentiate management organizations within air transportation systems.	Class Project	<p align="center">A13 - % of CAV 380 Students - demonstrating understanding different ATS</p> <table border="1"> <caption>A13 - % of CAV 380 Students - demonstrating understanding different ATS</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>85%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	85%	<p><i>CAV 380 The instructor will continue to use the class project as a means of evaluation the students' understanding of the aerospace industry. Instructor will add more aerospace examples to the class to strengthen student understanding of aerospace functions. Continue to use the group project as a means of evaluating the students' understanding of FARs. Instructor will add more FAR contingencies to the project to strengthen student understanding of FARs.</i></p>
Academic Year	Percentage						
Spring 2018	85%						
A14: 100% of students enrolled in the CAV 380 course will demonstrate a comprehensive and through understanding of Federal Aviation regulations by completing a class project with a score of 70% or higher.	Class Project	<p align="center">A14 - % of CAV 380 Students - earning score 70% or higher</p> <table border="1"> <caption>A14 - % of CAV 380 Students - earning score 70% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%	
Academic Year	Percentage						
Spring 2019	100%						
A15: 85% of students enrolled in the CAV 382 course will demonstrate a comprehensive and through understanding of Federal Aviation regulations by completing a class project with a score of 80% or higher.		<p align="center">A15 - % of CAV 382 Students - earning score 80% or higher</p> <table border="1"> <caption>A15 - % of CAV 382 Students - earning score 80% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>85%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	85%	<p><i>CAV 382 Continue to use the project as a measure of the understanding of the aerospace industry and the role of airports in the industry.</i></p>
Academic Year	Percentage						
Spring 2018	85%						

Program Outcomes – Aviation Management

BCA – Aviation Management-02: Aerospace Industry

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

BACHELOR OF COMMERCIAL AVIATION (BCA)

AVIATION MANAGEMENT – CAV 372

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A1: 80% of students enrolled in the CAV 372 course will demonstrate the ability to identify and explain worldwide regulatory information in aviation by earning 75% or higher on their overall grade.	Written Exam Embedded Questions	<p align="center">A1 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>Data for A1 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	CAV 372 Continue as presently going with embedded test questions class discussion.
Academic Year	Percentage						
Fall 2018	100%						
A2: 80% of students enrolled in the CAV 372 course will demonstrate the ability to compare and contrast the main themes of aviation safety by earning 75% or higher on their overall grade.		<p align="center">A2 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>Data for A2 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						
A3: 80% of students enrolled in the CAV 372 course will demonstrate an understanding of safety management systems by earning 75% or higher on their overall grade.		<p align="center">A3 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>Data for A3 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						
A4: 80% of students enrolled in the CAV 372 course will demonstrate an ability to identify situations and determine their legal stance by earning 75% or higher on their overall grade.		<p align="center">A4 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>Data for A4 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						

Program Outcomes – Aviation Management

BCA – Aviation Management-02: Aerospace Industry

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

BACHELOR OF COMMERCIAL AVIATION (BCA)

AVIATION MANAGEMENT – CAV 372, CAV 379 & CAV 380

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A5: 80% of students enrolled in the CAV 372 course will demonstrate an ability to determine and find current aviation law by earning 75% or higher on their overall grade.	Written Exam Embedded Questions	<p align="center">A5 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A5 - % of CAV 372 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	80%	CAV 372 Continue as presently going with embedded test questions class discussion.
Academic Year	Percentage						
Fall 2018	80%						
A6: 80% of students enrolled in CAV 379 course will demonstrate the ability to explain the role of general aviation services by earning 75% or higher on their overall grade.	Written Exam Embedded Questions	<p align="center">A6 - % of CAV 379 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A6 - % of CAV 379 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	80%	CAV 379 The instructor will bring in outside evaluators and gain more critiques from a broader cross section of professionals in the field. The instructor will add different assessment method next time this course is taught.
Academic Year	Percentage						
Fall 2018	80%						
A7: 80% of students enrolled in CAV 379 course will demonstrate a basic knowledge of the importance of human resources by earning 75% or higher on their overall grade.	Class Project	<p align="center">A7 - % of CAV 379 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A7 - % of CAV 379 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	80%	CAV 380 The instructor will continue to use the class project as a means of evaluation the students' understanding of the aerospace industry. Instructor will add more aerospace examples to the class to strengthen student understanding of aerospace functions. Continue to use the group project as a means of evaluating the students' understanding of FARs. Instructor will add more FAR contingencies to the project to strengthen student understanding of FARs.
Academic Year	Percentage						
Fall 2018	80%						
A8: 100% of students enrolled in the CAV 380 course will demonstrate an understanding of the aerospace industry by scoring 70% or higher on the class project.		<p align="center">A8 - % of CAV 380 Students - earning overall grade of 70% or higher on class project</p> <table border="1"> <caption>A8 - % of CAV 380 Students - earning overall grade of 70% or higher on class project</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%	
Academic Year	Percentage						
Spring 2019	100%						

Program Outcomes – Aviation Management

BCA – Aviation Management-02: Aerospace Industry

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

BACHELOR OF COMMERCIAL AVIATION (BCA)

AVIATION MANAGEMENT – CAV 381 & CAV 382

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A9: 85% of students enrolled in the CAV 381 course will demonstrate a broad understanding of the Aerospace industry by scoring 85% or higher on the final examination.	Final Examination	<p align="center">A9 - % of CAV 381 Students - earning overall grade of 85% or higher on final exam</p> <table border="1"> <caption>Data for A9 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>85%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	85%	CAV 381 Continue to increase course content via in class participation, group discussions, and improve scenario based training.
Academic Year	Percentage						
Spring 2018	85%						
A10: 80% of students enrolled in the CAV 381 course will demonstrate a working knowledge of applicable air traffic control history, procedures, and regulations by earning an overall grade of 75% or higher.	Written Exam Embedded Questions	<p align="center">A10 - % of CAV 381 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>Data for A10 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	80%	CAV 382 Continue to use the project as a measure of the understanding of the aerospace industry and the role of airports in the industry.
Academic Year	Percentage						
Spring 2019	80%						
A11: 80% of students enrolled in the CAV 381 course will demonstrate a basic knowledge of the aircraft navigational systems by earning an overall grade of 75% or higher.	Class Project	<p align="center">A11 - % of CAV 381 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>Data for A11 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>80%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	80%	
Academic Year	Percentage						
Spring 2019	80%						
A12: 85% of students enrolled in the CAV 382 course will demonstrate a comprehensive understanding of the Aerospace industry and the role of airports by completing a class project with a score of 80% or higher.		<p align="center">A12 - % of CAV 382 Students - earning overall grade of 80% or higher on class project</p> <table border="1"> <caption>Data for A12 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>85%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	85%	
Academic Year	Percentage						
Spring 2018	85%						

Program Outcomes – Aviation Management

BCA – Aviation Management-03: Skills & Techniques & Procedures for Airport Operations

Aviation Management majors will demonstrate knowledge of the skills, techniques, and procedures for maintaining airports, airlines, government, non-governmental, and general aviation.

BACHELOR OF COMMERCIAL AVIATION (BCA)

AVIATION MANAGEMENT – CAV 372

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A1: 80% of students enrolled in the CAV 372 course will demonstrate the ability to identify and explain worldwide regulatory information in aviation by earning 75% or higher on their overall grade.	Written Exam Embedded Questions	<p align="center">A1 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A1 - % of CAV 372 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	<i>CAV 372 Continue as presently going with embedded test questions class discussion.</i>
Academic Year	Percentage						
Fall 2018	100%						
A2: 80% of students enrolled in the CAV 372 course will demonstrate the ability to compare and contrast the main themes of aviation safety by earning 75% or higher on their overall grade.		<p align="center">A2 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A2 - % of CAV 372 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						
A3: 80% of students enrolled in the CAV 372 course will demonstrate an understanding of safety management systems by earning 75% or higher on their overall grade.		<p align="center">A3 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A3 - % of CAV 372 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						
A4: 80% of students enrolled in the CAV 372 course will demonstrate an ability to identify situations and determine their legal stance by earning 75% or higher on their overall grade.		<p align="center">A4 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A4 - % of CAV 372 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						
A5: 80% of students enrolled in the CAV 372 course will demonstrate an ability to determine and find current aviation law by earning 75% or higher on their overall grade.		<p align="center">A5 - % of CAV 372 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A5 - % of CAV 372 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Fall 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Fall 2018	100%	
Academic Year	Percentage						
Fall 2018	100%						

Program Outcomes – Aviation Management

BCA – Aviation Management-03: Skills & Techniques & Procedures for Airport Operations

Aviation Management majors will demonstrate knowledge of the skills, techniques, and procedures for maintaining airports, airlines, government, non-governmental, and general aviation.

BACHELOR OF COMMERCIAL AVIATION (BCA)

AVIATION MANAGEMENT – CAV 380 & CAV 381

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A6: 100% of students enrolled in the CAV 380 course will demonstrate a knowledge of the skills, techniques and procedures for maintain airports, airlines, government, nongovernmental and general aviation by completing a class project with a score of 70% or higher.	Class Project Written Exam Embedded Questions	<p align="center">A6 - % of CAV 380 Students - earning overall grade of 70% or higher</p> <table border="1"> <caption>Data for A6 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%	CAV 380 The instructor will continue to use the class project as a means of evaluation the students' knowledge of the skills, techniques and procedures for maintain airports, airlines, government, nongovernmental and general aviation. Instructor will add more examples to strengthen student understanding airports, airlines, government, nongovernmental and general aviation.
Academic Year	Percentage						
Spring 2019	100%						
A7: 85% of students enrolled in the CAV 381 course will demonstrate a knowledge of the skills, techniques and procedures for maintain airports, airlines, government, nongovernmental and general aviation by scoring 85% or higher on the final examination.	Final Examination	<p align="center">A7 - % of CAV 381 Students - earning overall grade of 85% or higher on final exam</p> <table border="1"> <caption>Data for A7 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	100%	CAV 381 Continue to increase course content via in class participation, group discussions, and improve scenario based training.
Academic Year	Percentage						
Spring 2018	100%						
A8: 80% of students enrolled in the CAV 381 course will demonstrate the ability to identify and an understanding of international and national airspace system by earning an overall grade of 75% or higher.		<p align="center">A8 - % of CAV 381 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>Data for A8 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%	
Academic Year	Percentage						
Spring 2019	100%						
A9: 80% of students enrolled in the CAV 381 course will demonstrate the skills required in determining ATC communications and phraseology by earning an overall grade of 75% or higher.		<p align="center">A9 - % of CAV 381 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>Data for A9 Chart</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%	
Academic Year	Percentage						
Spring 2019	100%						

Program Outcomes – Aviation Management

BCA – Aviation Management-03: Skills & Techniques & Procedures for Airport Operations

Aviation Management majors will demonstrate knowledge of the skills, techniques, and procedures for maintaining airports, airlines, government, non-governmental, and general aviation.

BACHELOR OF COMMERCIAL AVIATION (BCA)

AVIATION MANAGEMENT – CAV 382

		Analysis of Results					
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken				
A10: 85% of students enrolled in the CAV 382 course will demonstrate a knowledge of the skills, techniques and procedures for maintain airports, airlines, government, nongovernmental and general aviation by completing a class project with a score of 80% or higher.	Class Project Written Exam Embedded Questions	<p align="center">A10 - % of CAV 382 Students - earning overall grade of 80% or higher on class project</p> <table border="1"> <caption>A10 - % of CAV 382 Students - earning overall grade of 80% or higher on class project</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2018</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2018	100%	CAV 382 Continue to add content via in class participation, group discussions, and improve scenario based training.
Academic Year	Percentage						
Spring 2018	100%						
A11: 80% of students enrolled in the CAV 382 course will demonstrate a working knowledge of airports and airport systems by earning an overall grade of 75% or higher.		<p align="center">A11 - % of CAV 382 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A11 - % of CAV 382 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%	
Academic Year	Percentage						
Spring 2019	100%						
A12: 80% of students enrolled in the CAV 382 course will demonstrate the ability to identify airport operations management components, history and classifications by earning an overall grade of 75% or higher.		<p align="center">A12 - % of CAV 382 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A12 - % of CAV 382 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%	
Academic Year	Percentage						
Spring 2019	100%						
A13: 80% of students enrolled in the CAV 382 course will demonstrate the ability to determine airport management applications by earning an overall grade of 75% or higher.		<p align="center">A13 - % of CAV 382 Students - earning overall grade of 75% or higher</p> <table border="1"> <caption>A13 - % of CAV 382 Students - earning overall grade of 75% or higher</caption> <thead> <tr> <th>Academic Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Spring 2019</td> <td>100%</td> </tr> </tbody> </table>	Academic Year	Percentage	Spring 2019	100%	
Academic Year	Percentage						
Spring 2019	100%						

Program Outcomes – Master of Commercial Aviation (MCA)

MCA – 01: PLO US Laws and FAA

MCA majors will demonstrate the ability to 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.

MASTER OF COMMERCIAL AVIATION (MCA)

CAV 630

		Analysis of Results	
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken
<p>A1: 85% of students enrolled in CAV 630 will demonstrate the ability to distinguish between the different kinds of laws that the United States has and ability to describe the structure of the U. S. by successfully completing the Module 1 Homework.</p> <p>A2: 85% of students enrolled in CAV 630 will demonstrate the ability to distinguish between the different kinds of laws of the United States and ability to describe the structure of the U. S. by successfully completing with 85% or higher Module 1,2,3 Discussion.</p> <p>A3: 85% of students enrolled in CAV 630 will demonstrate an understanding of law terminology including Administrative Law, as opposed to Common Law and Legislative Law by successfully completing with 85% or higher Modules 15 & 16 assignment.</p>	<p>Assignments Written Exam Embedded Questions Final Exam</p>	<p>A1: 95% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to distinguish between the different kinds of laws that United States has and to describe the structure of the U. S. by successfully completing the Module 1 Homework.</p> <p>A2: 92% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to distinguish between the different kinds of laws of the United States and to describe the structure of the U. S. by successfully completing with 85% or higher Module 1,2,3 Discussion.</p> <p>A3: 96% of students enrolled in CAV 630 in Spring 2019 demonstrated an understanding of law terminology including Administrative Law, as opposed to Common Law and Legislative Law by successfully completing with 85% or higher Modules 15 & 16 assignment.</p>	<p>Move the APA research paper to mid-term to increase student participation and give time for improvements in papers submitted.</p>

<p>A4: 85% of students enrolled in CAV 630 will demonstrate an understanding of law terminology including Administrative Law, as opposed to Common Law and Legislative Law by successfully completing the APA research paper.</p> <p>A5: 85% of students enrolled in CAV 630 will demonstrate an understanding of law terminology including Administrative Law, as opposed to Common Law and Legislative Law by successfully completing the final exam.</p> <p>A6: 85% of students enrolled in CAV 630 will demonstrate the ability to determine the basic principles of liability and how to minimize and limit liabilities in the workplace environment by successfully completing with 85% or higher Module 1 Discussion.</p> <p>A7: 85% of students enrolled in CAV 630 will demonstrate the ability to determine the basic principles of liability and how to minimize and limit liabilities in the workplace environment by successfully completing the APA research paper.</p>		<p>A4: 79% of students enrolled in CAV 630 in Spring 2019 demonstrated an understanding of law terminology including Administrative Law, as opposed to Common Law and Legislative Law by successfully completing the APA research paper.</p> <p>A5: 88% of students enrolled in CAV 630 in Spring 2019 demonstrated an understanding of law terminology including Administrative Law, as opposed to Common Law and Legislative Law by successfully completing the final exam.</p> <p>A6: 92% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to determine the basic principles of liability and how to minimize and limit liabilities in the workplace environment by successfully completing with 85% or higher Module 1 Discussion.</p> <p>A7: 79% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to determine the basic principles of liability and how to minimize and limit liabilities in the workplace environment by successfully completing the APA research paper.</p>	
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<p>A8: 85% of students enrolled in CAV 630 will demonstrate the ability to understand aircraft transfer of ownership and the rental and aircraft by successfully completing with 85% or higher Module 11 & 12 assignment.</p> <p>A9: 85% of students enrolled in CAV 630 will demonstrate the ability to understand aircraft transfer of ownership and the rental and aircraft by successfully completing the final exam.</p> <p>A10: 85% of students enrolled in CAV 630 will demonstrate the ability to describe the current state of aviation security and the five most pressing aviation regulatory problems for the industry and formulate solutions by successfully completing with 85% or higher Module 1 Discussion.</p> <p>A11: 85% of students enrolled in CAV 630 will demonstrate the ability to describe the current state of aviation security and the five most pressing aviation regulatory problems for the industry and formulate solutions by successfully completing the APA research paper.</p>		<p>A8: 88% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to understand aircraft transfer of ownership and the rental and aircraft by successfully completing with 85% or higher Module 11 & 12 assignment.</p> <p>A9: 88% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to understand aircraft transfer of ownership and the rental and aircraft by successfully completing the final exam.</p> <p>A10: 96% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to describe the current state of aviation security and the five most pressing aviation regulatory problems for the industry and formulate solutions by successfully completing with 85% or higher Module 1 Discussion.</p> <p>A11: 79% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to describe the current state of aviation security and the five most pressing aviation regulatory problems for the industry and formulate solutions by successfully completing the APA research paper.</p>	
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<p>A12: 85% of students enrolled in CAV 630 will demonstrate the ability to describe the current state of aviation security and the five most pressing aviation regulatory problems for the industry and formulate solutions by successfully completing the final exam.</p>		<p>A12: 88% of students enrolled in CAV 630 in Spring 2019 demonstrated the ability to describe the current state of aviation security and the five most pressing aviation regulatory problems for the industry and formulate solutions by successfully completing the final exam.</p>	
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Program Outcomes – Master of Commercial Aviation (MCA)

MCA – 03: PLO Air Cargo Economics and Marketing

MCA majors will demonstrate the ability to articulate the role of the fixed base operator in the aviation system.

MASTER OF COMMERCIAL AVIATION (MCA)

CAV 650

Analysis of Results

Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken
<p>A1: 100% of students enrolled in CAV 650 will demonstrate the ability to articulate the role of the fixed base operator in the aviation system by participating in online discussions and completely answering all chapter review questions.</p>	<p>Assignments Embedded Questions</p>	<p>A1: 87% of students enrolled in CAV 650 in Fall 2017 demonstrated the ability to articulate the role of the fixed base operator in the aviation system by participating in 15 weeks of online discussions and 90% of students answered all chapter review questions.</p>	<p>Students will be encouraged to fully participate in online discussions and chapter review questions. Guidance on being a successful online student will be posted for students.</p>
<p>A2: 100% of students enrolled in CAV 650 will demonstrate the ability to understand pertinent management concepts applicable to the field of FBO management by participating in online discussions and completely answering all chapter review questions.</p>		<p>A2: 87% of students enrolled in CAV 650 in Fall 2017 demonstrated the ability to understand pertinent management concepts applicable to the field of FBO management by participating 15 weeks of online discussions and 90% of students answered all chapter review questions.</p>	

<p>A3: 100% of students enrolled in CAV 650 will demonstrate the ability to recognize successful marketing strategies and discuss the most effective manner in which to market the services of an FBO by participating in online discussions and completely answering all chapter review questions.</p> <p>A4: 100% of students enrolled in CAV 650 will demonstrate the ability to acquire a working knowledge of financial concepts appropriate to the FBO business by participating in online discussions and completely answering all chapter review questions.</p>		<p>A3: 87% of students enrolled in CAV 650 in Fall 2017 demonstrated the ability to recognize successful marketing strategies and discuss the most effective manner in which to market the services of an FBO by participating in 15 weeks of online discussions and 90% of students answered all chapter review questions.</p> <p>A4: 87% of students enrolled in CAV 650 in Fall 2017 demonstrated the ability to acquire a working knowledge of financial concepts appropriate to the FBO business by participating in 15 weeks of online discussions and 90% of students completely answered all chapter review questions.</p>	
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<p>A5: 100% of students enrolled in CAV 650 will demonstrate the ability to apply effective human resources skills to the management of FBO employees by participating in online discussions and completely answering all chapter review questions.</p> <p>A6: 100% of students enrolled in CAV 650 will demonstrate the ability to discuss the organization of a typical FBO, including administration and operations by participating in online discussions and completely answering all chapter review questions and 90% of the students will adequately complete the assigned FBO paper.</p>		<p>A5: 87% of students enrolled in CAV 650 in Fall 2017 demonstrated the ability to apply effective human resources skills to the management of FBO employees by participating in 15 weeks of online discussions and 90% of the students completely answered all chapter review questions.</p> <p>A6: 87% of students enrolled in CAV 650 in Fall 2017 demonstrated the ability to discuss the organization of a typical FBO, including administration and operations by participating in online discussions and 90% completely answered all chapter review questions.</p>	
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<p>A7: 100% of students enrolled in CAV 650 will demonstrate the ability to share with others why proper maintenance, safety, and security are necessary to the FBO manager by participating in online discussions and completely answering all chapter review questions and 90% of the students will adequately complete the assigned FBO paper.</p> <p>A8: 100% of students enrolled in CAV 650 will demonstrate the ability to apply the various managerial concepts learned in class to solving real-world issues and problems encountered FBO managers by participating in online discussions and completely answering all chapter review questions and 90% of the students will adequately complete the assigned FBO paper.</p>		<p>A7: 87% of students enrolled in CAV 650 in Fall 2017 demonstrated the ability to share with others why proper maintenance, safety, and security are necessary to the FBO manager by participating in online discussions and 90% completely answered all chapter review questions.</p> <p>A8: 87% of students enrolled in CAV 650 in Fall 2017 demonstrated the ability to apply the various managerial concepts learned in class to solving real-world issues and problems encountered FBO managers by participating in online discussions and 90% completely answered all chapter review questions.</p>	
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Program Outcomes – Master of Commercial Aviation (MCA)

MCA – 04: PLO Human Factors

MCA majors will demonstrate the ability to explain individual and group behavior and interaction in the aerospace industry.

MASTER OF COMMERCIAL AVIATION (MCA)

CAV 610

		Analysis of Results	
Performance Measure (Competency)	Data Collection (Evidence)	Results of Evaluation	Analysis and Action Taken
<p>A1: 100% of students enrolled in CAV 610 will demonstrate a thorough knowledge of human factors by participating in online discussion and completely answering all chapter review questions.</p> <p>A2: 100% of students enrolled in CAV 610 will demonstrate the ability to analyze an aircraft accident and the role human factors played in the accident by participating in online discussion and completely answering all chapter review questions.</p>	<p>Assignments</p> <p>Embedded Questions</p>	<p>A1: 93% of students enrolled in CAV 610 in Fall 2017 demonstrated a thorough knowledge of human factors by participating in 15 weeks of online discussions and 85% of students completely answered all chapter review questions.</p> <p>A2: 93% of students enrolled in CAV 610 in Fall 2017 demonstrated the ability to analyze an aircraft accident and the role human factors played in the accident by participating in online discussions and 85% of students completely answered all chapter review questions.</p>	<p>Students will be encouraged to fully participate in online discussions and chapter review questions. Guidance on being a successful online learner will be posted for students.</p>

<p>A3: 100% of students enrolled in CAV 610 will demonstrate an understanding of the need for a systems approach to aviation safety by participating in online discussion and completely answering all chapter review questions.</p> <p>A4: 100% of students enrolled in CAV 610 will demonstrate an understanding of the role of airlines, manufacturers, and governmental agencies in improving aviation safety by participating in online discussion and completely answering all chapter review questions.</p> <p>A5: 100% of students enrolled in CAV 610 will demonstrate the ability to discuss the best practices in use today to enhance aviation safety by participating in online discussion and completely</p>		<p>A3: 93% of students enrolled in CAV 610 in Fall 2017 demonstrated an understanding of the need for a systems approach to aviation safety by participating in online discussion and 85% of students completely answered all chapter review questions.</p> <p>A4: 93% of students enrolled in CAV 610 in Fall 2017 demonstrated an understanding of the role of airlines, manufacturers, and governmental agencies in improving aviation safety by participating in online discussion and 85% of students completely answered all chapter review questions.</p> <p>A5: 93% of students enrolled in CAV 610 in Fall 2017 demonstrated the ability to discuss the best practices in use today to enhance aviation safety by participating in online discussion and 85% completely answered all chapter review questions.</p>	
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<p>answering all chapter review questions.</p> <p>A6: 100% of students enrolled in CAV 610 will demonstrate the ability to discuss aviation safety and the inherent challenges on a worldwide scale by participating in online discussion and completely answering all chapter review questions.</p> <p>A7: 100% of students enrolled in CAV 610 will demonstrate the ability to discuss aviation safety and the inherent challenges on a worldwide scale by participating in online discussion and completely answering all chapter review questions.</p>		<p>A6: 93% of students enrolled in CAV 610 in Fall 2017 demonstrated the ability to discuss aviation safety and the inherent challenges on a worldwide scale by participating in online discussion and 85% completely answered all chapter review questions.</p> <p>A7: 93% of students enrolled in CAV 610 in Fall demonstrated the ability to discuss aviation safety and the inherent challenges on a worldwide scale by participating in online discussion and 85% completely answered all chapter review questions.</p>	
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