

Assessment Plan Layout Table 2021-2022

School of Aeronautics

26/may/2022

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Assessment Plan Layout Table for all Aviation programs

[] = Core course, [■] = Professional Pilot course, [■] = Aviation Management course. *Red font indicates the assessment report was submitted but no evidence was attached*

<p style="text-align: center;">Learning Outcome</p> <p>What should a student be able to know, value, or be able to do upon graduation and beyond?</p>	<p style="text-align: center;">Data Collection and Analysis</p> <ol style="list-style-type: none"> 1. What assessment tools and/or methods will you use to determine achievement of the learning outcomes? 2. Describe how the data from these tools and/or methods will be/have been collected. 3. Explain the procedure to analyze the data. 	<p style="text-align: center;">Date and Person Responsible for Data Collection and Analysis</p> <p>When will the data be collected? Who is the faculty professor in charge of collecting and analyzing it?</p>	<p style="text-align: center;">Results of Evaluation</p> <p>What were the findings of the analysis?</p>	<p style="text-align: center;">Use of Evaluation Results</p> <ol style="list-style-type: none"> 1. List any specific recommendations. 2. Describe changes in curriculum, courses, or procedures that are proposed or were made or are being made as a result of the program learning outcome process?
<p>PHYS 3500</p> <p>Aviation Physics</p> <p>Students must demonstrate the ability to apply mathematics, science, and applied sciences to aviation-related disciplines.</p> <p>AABI Outcome A</p>	<p>A.1: Students must be able to identify, execute, solve, and evaluate concepts and equations related to the solution of problems within aviation physics.</p> <ol style="list-style-type: none"> 1. An exam. 2. Embedded test questions about the specific topics will be inserted in the test. 3. At least 70% of students will score 70% or more on these specific questions. 	<p>Dr. Jesus Piñero</p> <p>Spring 2022</p>	<p>After evaluating the reports 74% of students scored above 70%. All students score at least 60%.</p> <p>Please see attached assessment tool solutions. The scores were as follows:</p> <ol style="list-style-type: none"> 1. Heyslie Heredia: 17/20. 2. Fernando Mendoza: 20/20. 	<p>Assessment goal was met</p> <p>Although no big changes are required at this moment, there is still room to improve the course. Thus, efforts will continue to enhance the students understanding of the laws of physics as applied to aviation.</p>



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			<ul style="list-style-type: none"> 3. Sarahi Acevedo: 20/20. 4. Michael Cruz: 20/20. 5. Jaime Aponte: 20/20. 6. Daniel Rondon: 20/20. 7. Diego Gonzalez: 17/20. 	
<p>AWSC 2115</p> <p>Private Pilot Theory</p> <p>Flight students must demonstrate the ability to apply mathematics, science, and applied sciences to aviation-related disciplines.</p> <p>AABI Outcome A</p>	<p>A.2: Students will describe the principles of aircraft design, performance and operating characteristics; and the regulations related to the maintenance of aircraft and associated systems.</p> <ul style="list-style-type: none"> 1. The assessment tool will be the final exam. 2. Embedded test questions about the specific topics will be inserted in the test. 3. At least 70% of students will score 70% or more on the specific questions. 	<p>Measured during Spring 2019 by Dr. Jonathan Velazquez</p>	NA	NA
<p>AWSC 4600: Airline Management</p> <p>Aviation Management Students must</p>	<p>A.2: Students will analyze and airline's financial data reports to calculate: operating ratio, Return on investment (ROI), profit margin and aircraft</p>	<p>Measured during Fall 2019 by Prof. Caroline Ocasio</p>	<p>After evaluating the reports 86% of students scored above 70%.</p>	<p>Assessment goal was met</p> <p>Assessment goal was met. No additional action required.</p>



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demonstrate the ability to apply mathematics, science, and applied sciences to aviation related disciplines	utilization among other information. <ol style="list-style-type: none"> 1. The assessment tool will be an exam. 2. Embedded test quest questions / problems about the specific topics will be inserted in the test. 3. At least 70% of students must score 70% or more on these specific questions. 		Please see attached exams in 2019-2020 section/folder.	
AWSC 3160 Commercial Pilot (Ground Portion) Flight students must demonstrate the ability to apply mathematics, science, and applied sciences to aviation-related disciplines. AABI Outcome A	A.3: Students must be able to predict the airplane's performance capability by using math, concepts and equations to solve for weight and balance problems. <ol style="list-style-type: none"> 1. The assessment tool used will be the second exam. 2. Embedded test questions about the specific topics will be inserted in the test. 3. At least 70% of students will score 70% or more on these specific questions. 	Measured the previous academic year by Dr. Jonathan Velazquez	NA	NA
AWSC 4600	B.1: Students will demonstrate the ability to analyze and			Assessment goal was met



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<p>Airline Management</p> <p>Aviation Management Students must demonstrate the ability to analyze and interpret data</p> <p>AABI Outcome B</p>	<p>interpret an airline's financial data report</p> <ol style="list-style-type: none"> 1. The assessment tool will be an exam. 2. A financial report extracted from an airline's annual report was used for students to analyze while answering embedded test questions. 3. At least 70% of students must score 70% or more on these specific questions. 	<p>Measured during Fall 2019 by Prof. Caroline Ocasio</p>	<p>After evaluating the reports 86% of students scored above 70%.</p> <p>Please see attached exams in 2019-2020 section/folder.</p>	<p>Assessment goal was met. No additional action required.</p>
<p>AWSC 3155</p> <p>Instrument Pilot (Ground portion)</p> <p>Flight students must demonstrate the ability to analyze and interpret data.</p> <p>AABI Outcome B</p>	<p>B.1: Students will discuss the impact of meteorology and environmental issues on aviation operations by being able to analyze and correctly interpret weather data from Graphic Weather Sources and Printed Weather Reports and Forecasts.</p> <ol style="list-style-type: none"> 1. The assessment tool used will be an exam. 2. Embedded test questions about the specific topics will be inserted in the test. 3. At least 70% of students will score 70% or more on these specific questions. 	<p>Measured the previous academic year by Dr. Jonathan Velazquez</p>	<p>NA</p>	<p>NA</p>



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<p>AWSC 3155</p> <p>Instrument Pilot (Flight portion)</p> <p>Flight students must demonstrate the ability to analyze and interpret data.</p> <p>AABI Outcome B</p>	<p>B.2: Students must be able to examine and properly interpret the data contained in instrument approach charts and translate these instructions into actions and procedures.</p> <ol style="list-style-type: none"> 1. The assessment tools used are a flight performance check using a rubric. 2. The second stage check or End-of-Course (EOC) is used to evaluate the student's knowledge of Instrument Approach Charts and the execution of this information during flight operations. A specially designed rubric measures the student's competence in both of these aspects. 3. The student must be found acceptable in both to pass the stage check and therefore, demonstrate achievement in this outcome. 	<p>Measured during the 2018-2019 academic year by Prof. Andres Mora</p>	<p>NA</p>	<p>NA</p>
<p>AWSC 4310</p> <p>Human Factors in Aviation</p>	<p>C.1: Students will perform in collaborative learning by analyzing accident reports. Later they will deliver an oral</p>	<p>Dr. Jonathan Velazquez</p> <p>Fall 2021</p>	<p>After evaluating the teamwork rubrics, for all students, 78% of students</p>	<p>Assessment goal was met</p> <p>No specific recommendations, changes,</p>



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<p>Students must demonstrate the ability to work effectively in multi-disciplinary and diverse teams.</p> <p>AABI Outcome C</p>	<p>presentation on the complete nature of the accident.</p> <ol style="list-style-type: none"> 1. A rubric will be used for peer evaluation of teamwork by students themselves. 2. This rubric has a total score of 25 points. 3. At least 70% of students must score 20 or more on the rubric. 		<p>(32 of 39) scored at least 20 points out of 25 points.</p> <p>The class average was 89%</p> <p>Their individual scores are as follows;</p> <p>Student 1 (PG): 100 Student 2 (RM): 100 Student 3 (NdJ): 100 Student 4 (DC): 100 Student 5 (SP): 92 Student 6 (JS): 92 Student 7 (JC): 100 Student 8 (JA): 100 Student 9 (ZC): 100 Student 10 (LQ): 95 Student 11 (EP): 94 Student 12 (JG): 53 Student 13 (SF): 95 Student 14 (MC): 100 Student 15 (RR): 100 Student 16 (DF): 100 Student 17 (AD): 93 Student 18 (ES): 63 Student 19 (GR): 73 Student 20 (LR): 84 Student 21 (MR): 100 Student 22 (AT): 55 Student 23 (NA): 100 Student 24 (EP): 80 Student 25 (BC): 77 Student 26 (CR): 63 Student 27 (FH): 90</p>	<p>nor modifications to course content or program are required at this moment.</p>
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			Student 28 (YO): 100 Student 29 (JV): 100 Student 30 (IM): 96 Student 31 (ST): 100 Student 32 (AS): 52 See sample teamwork rubric and report	
AWSC 4680 Aviation Strategic Management Aviation Management Students must demonstrate the ability to work effectively in multi-disciplinary and diverse teams. AABI Outcome C	C.2: Students must be able to perform in collaborative learning by analyzing performance of an airline through a simulation program. <ol style="list-style-type: none"> 1. The assessment tool will be a Peer Evaluation Report. 2. The Peer Evaluation includes a score. 3. 70% of students must score at least 70% on this teamwork evaluation. 	Measured the previous academic year by Prof. Caroline Ocasio	NA	NA
AWSC 4384 Training Techniques for Flight Crew (Crew Resource Management) Flight Students must demonstrate the ability to work effectively in multi-	C.3: Students must be able to perform in collaborative learning by analyzing accident reports. Groups will use these reports and engage in mutual assistantship, exchange of ideas, discussion, encouragement, and joint support to deliver a group	Measured during Spring 2019 by Prof. Andres Mora	NA	NA



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<p>disciplinary and diverse teams.</p> <p>Outcome C</p>	<p>presentation on the complete nature of the accident.</p> <ol style="list-style-type: none"> 1. Various rubrics will evaluate the students' ability to work effectively in teams. One rubric allows them to engage in a discussion roundtable, another rubric evaluates their teamwork process management and group functioning prior to the presentation, and finally another rubric is used by student themselves to evaluate each other as teammates. 2. The roundtable rubric has a total value of 25 points, the process management / group functioning rubric has a total score of 50 points, and finally the teamwork evaluation by students is valued at 25 pts. A total of 100 points is used to evaluate the ability to work in teams. At least 70% of students must score 70%. 			
<p>AWSC 4100</p>	<p>D.1: Students must discriminate between ethical versus unethical practices and between professional and</p>	<p>Prof. Elvin Negrón-Hernandez</p>	<p>After evaluating with the assessment tool, 61% of students scored at least</p>	<p>Assessment goal was not met</p>



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<p>Career Development for Aerospace Professionals</p> <p>Students must demonstrate the ability to make professional and ethical decisions</p> <p>AABI Outcome D</p>	<p>unprofessional behavior within the aviation industry.</p> <ol style="list-style-type: none"> 1. The assessment tool used will be an assignment. 2. Two questions about the specific topics will be answered after evaluating an ethical case study. 3. At least 70% of students will score 70% or more on these specific questions. 	<p>Spring 2022</p>	<p>14 points on the questions provided.</p> <p>Of 18 students, only 11 submitted the assignment.</p> <p>See attached rubrics and sample assignments.</p>	<p>For the future, I will reinforce the topic by assigning a mandatory viewing of a YouTube video related to this case study.</p>
<p>AWSC 4370</p> <p>Flight Instructor (ground portion)</p> <p>Flight students must demonstrate the ability to make professional and ethical decisions</p> <p>AABI Outcome D</p>	<p>D.2: Students must be able to evaluate a professional and ethical issue related to the practice of flight instruction and/or professional pilot.</p> <ol style="list-style-type: none"> 1. The assessment tool used will be an essay 2. Essay will be evaluated using a rubric. 3. 70% of students must score at least 70% 	<p>Measured the previous academic year by Dr. Jonathan Velazquez</p>	<p>NA</p>	<p>NA</p>
<p>AWSC 4680: Aviation Strategic Management</p> <p>Aviation Management Students must demonstrate the ability to</p>	<p>D.2: Students must be able to determine whether or not actions could be considered ethical through using the concept of Corporate Governance in an exam's essay question.</p>	<p>Measured the previous academic year by Prof. Caroline Ocasio</p>		



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<p>make professional and ethical decisions.</p> <p>AABI Outcome D</p>	<ol style="list-style-type: none"> 1. The assessment tool used will be exam 3. 2. Essay test question about the specific topic will be inserted in the test. 3. At least 70% of students must score 70% on this specific question. 			
<p>AWSC 2130</p> <p>English Proficiency for Aviation Professionals</p> <p>Students must demonstrate the ability to communicate effectively, using both written and oral communication skills.</p> <p>AABI Outcome E</p>	<p>E.1: Students must be able to demonstrate ICAO oral proficiency skills, to at least Level 4 (operational level), in pronunciation, structure, vocabulary, fluency, comprehension, and interaction.</p> <ol style="list-style-type: none"> 1. An ICAO rubric is used to evaluate the oral interview. 2. The maximum score is 6 points for all interview components. 3. At least, 70% of students must obtain a level/score of 4 points or higher on each final course interview criterion. 	<p>Measured the previous academic year by Prof. Carole Gelpí</p>		
<p>AWSC 4310: Human Factors in Aviation</p> <p>Students must demonstrate the ability to communicate effectively,</p>	<p>E.2: Students must be able to write an original essay on a current subject in Aviation Human Factors where he/she evaluates aviation safety and</p>	<p>Measured during the Fall 2019 semester by Dr. Jonathan Velazquez</p>	<p>NA</p>	<p>NA</p>



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<p>using both written and oral communication skills.</p> <p>AABI Outcome E</p>	<p>the impact of human factors on safety.</p> <ol style="list-style-type: none"> 1. The assessment tool will be an essay, 2. graded with a rubric. 3. 70% of students must score 70% on this rubric. 			
<p>AWSC 4370</p> <p>Flight Instructor (ground portion)</p> <p>Flight students must demonstrate the ability to communicate effectively, using both written and oral communication skills.</p> <p>AABI Outcome E</p>	<p>E.3: Students must be able to create and present a preflight lesson on a selected pilot maneuver and/or aeronautical topic, from an instructional standpoint as it would be taught to a student.</p> <ol style="list-style-type: none"> 1. A special rubric will be used to evaluate the oral presentation and another rubric will be used to evaluate the student's ability to construct and write a lesson plan. 2. Both rubrics contain specific set of criteria on (instructional communication) which will be evaluated by this rubric. 3. 70% of students must score 70%. 	<p>Measured the previous academic year by Dr. Jonathan Velazquez</p>	<p style="text-align: center;">NA</p>	<p style="text-align: center;">NA</p>
<p>AWSC 4100</p>	<p>F.1: Students must be able to demonstrate an awareness of the professional development</p>		<p>After evaluating with the assessment tool, 72% of students scored at least</p>	<p>Assessment goal was met</p>



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<p>Career Development for Aerospace Professionals</p> <p>Students must demonstrate the ability to engage in and recognize the need for life-long learning.</p> <p>AABI Outcome F</p>	<p>required for each aviation specialty.</p> <ol style="list-style-type: none"> 1. The assessment tool was an assignment. 2. Two specific questions about the topic must be answered. 3. At least 70% of students will score 70% or more on these questions. 	<p>Prof. Elvin Negrón-Hernández</p> <p>Spring 2022</p>	<p>28 points (out of a possible 40-point maximum) on the questions provided.</p> <p>(see attached sample assignments and rubrics)</p>	<p>No further action is necessary.</p>
<p>AWSC 4370</p> <p>Flight Instructor (Ground portion)</p> <p>Flight students must demonstrate the ability to engage in and recognize the need for life-long learning.</p> <p>AABI Outcome F</p>	<p>F.2: Students must be able to demonstrate the need for personal and professional enhancement by being able to write an Integrated Paper pointing out resources for professional development (including those for independent learning) and elucidating their importance.</p> <ol style="list-style-type: none"> 1. The assessment tool will be an Integrated Paper, evaluated using a specialized rubric. 2. At least 70% of students must score 70 percent. 	<p>Measured during the Spring 2021 semester by Dr. Jonathan Velázquez</p>	<p>NA</p>	<p>NA</p>
<p>AWSC 4680: Aviation Strategic Management</p> <p>Aviation Management Students must demonstrate the ability to engage in and recognize</p>	<p>F.2: Students must be able to demonstrate the need for personal and professional enhancement by being able to write an integrated paper pointing out resources for professional development.</p>	<p>Measured the previous academic year by Prof. Caroline Ocasio</p>		



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<p>the need for life-long learning.</p> <p>AABI Outcome F</p>	<ol style="list-style-type: none"> 1. The assessment tool will be an integrated paper evaluated using a specialized rubric. 2. At least 70% of students must score 70% percent. 			
<p>AWSC 3300</p> <p>Aviation Law</p> <p>Students must demonstrate the ability to assess contemporary issues.</p> <p>AABI Outcome G</p>	<p>G.1: Students must be able to evaluate agreements and/or laws affecting the aviation industry today.</p> <ol style="list-style-type: none"> 1. The assessment tool used is a written project. A rubric measures the student's ability to research on a current law or agreement that affects the aviation industry today. 2. After research, the student will explain the proposed changes to existing regulations or to the U.S. Code of Law. 3. 70% of students must score 70% (7 or higher) on the rubric criterion. 	<p>Prof. Carlos Matos</p> <p>Spring 2022</p>	<p>After evaluating the essays using the assessment tool, 81% of students (39 out of 48) were able to score 7 (70%) or more on the Legal Research criterion.</p>	<p>Assessment goal was met</p> <p>No specific recommendations, changes, nor modifications to course content or program are required at this moment.</p>
<p>AWSC 4310</p> <p>Human Factors in Aviation</p> <p>Students must demonstrate the ability to assess contemporary issues.</p>	<p>G.2: Students must be able to conduct research and write an original essay on the contemporary issues surrounding a human factors topic. The purpose of this essay is to allow students to analyze the current and future</p>	<p>Measured during the Fall 2019 semester by Dr. Jonathan Velazquez</p>	<p>NA</p>	<p>NA</p>



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<p>AABI Outcome G</p>	<p>state of issues regarding aviation human factors.</p> <ol style="list-style-type: none"> 1. The assessment tool is an essay graded with a rubric. 2. The rubric includes a criterion called: Analysis of human factors contemporary issues and impact on aviation today. 3. Students must score at least 7 out of 10 points in this specific measure. 			
<p>AWSC 4370</p> <p>Flight Instructor (ground portion)</p> <p>Flight students must demonstrate the ability to assess contemporary issues.</p> <p>AABI Outcome G</p>	<p>G.3: Students must be able to research a topic affecting the flight instruction and/or professional pilot industry today.</p> <ol style="list-style-type: none"> 1. The assessment tool used will be an essay, 2. Evaluated using a rubric. 3. 70% of students must score at least 70% 	<p>Measured the previous academic year by Dr. Jonathan Velazquez</p>	<p>NA</p>	<p>NA</p>
<p>AWSC 3155</p> <p>Instrument Pilot (Flight portion)</p> <p>Flight students must demonstrate the ability to use the techniques, skills, and modern technology</p>	<p>H.1: Students must be able to execute a fully planned IFR cross-country from departure to destination demonstrating use of navigational technology, cockpit resources, and technical flying skills for departure, enroute, and arrival procedures.</p>	<p>Measured during the 2018-2019 academic year by Prof. Andres Mora</p>	<p>NA</p>	<p>NA</p>



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<p>necessary for professional practice.</p> <p>AABI Outcome H</p>	<ol style="list-style-type: none"> 1. The assessment tools used are a performance check using a Checklist-style rubric. 2. The third stage (performance) check is used to evaluate the student in IFR cross-country procedures. The checklist contains eight (8) execution aspects (criteria) which students must demonstrate in order to successfully pass the stage check, and therefore, evidence achievement of the outcome. 3. The student must demonstrate all 8 specific skills, concepts, or processes. 			
<p>AWSC 4100</p> <p>Career Development for Aerospace Professionals</p> <p>Students must demonstrate the ability to use the techniques, skills, and modern technology necessary for professional practice.</p>	<p>H.1. Students will demonstrate the necessary technical knowledge, verbal communication, and soft skills to successfully pass an industry interview</p> <ol style="list-style-type: none"> 1. The assessment tool is an interview graded with a rubric. 2. The maximum score is 20 points for all interview components. 	<p>Prof. Elvin Negrón</p> <p>Spring 2022</p>	<p>After evaluating with the assessment tool, 100% of students scored at least 14 points in the interview.</p>	<p>Assessment goal was met</p> <p>No further action is necessary at this moment.</p>



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AABI Outcome H	3. At least, 70% of students must obtain a score of 14 points or higher in the interview.			
<p>AWSC 3160</p> <p>Commercial Pilot (Flight Portion)</p> <p>Flight students must demonstrate the ability to use the techniques, skills, and modern technology necessary for professional practice.</p> <p>AABI Outcome H</p>	<p>H.2: Commercial students will demonstrate a broad understanding of the role and skills of the commercial pilot.</p> <p>At least 70% of students pass the FAA practical test, during their first attempt. The practical test is administered by FAA representatives or designated pilot examiners independent of IAUPR.</p>	<p>Measured the previous academic year by Prof. Alex Ortiz</p>	<p>100% of students were able to successfully pass the FAA practical test in their first attempt. AABI Outcome was met.</p>	<p>Assessment goal was met</p> <p>No specific recommendations, changes, nor modifications to course content or program are required at this moment</p>
<p>AWSC 4680: Aviation Strategic Management</p> <p>Aviation Management Students must demonstrate the ability to use techniques, skills and modern technology necessary for professional practice.</p> <p>AABI Outcome H</p>	<p>H.2: Students used an e-simulation called “Airline” to demonstrate the ability to run an airline business.</p> <ol style="list-style-type: none"> 1. The assessment tool is a written report using a specialized rubric. 2. At least 70% of students must score 70% or more on the written report. 	<p>Measured the previous academic year by Prof. Caroline Ocasio</p>		



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<p>AWSC 4370</p> <p>Flight Instructor (Flight Portion)</p> <p>Flight students must demonstrate the ability to use the techniques, skills, and modern technology necessary for professional practice.</p> <p>AABI Outcome H</p>	<p>H.3: Flight instructor students will demonstrate a broad understanding of the role and skills of the flight instructor pilot.</p> <p>At least 70% of students pass the FAA practical test, during their first attempt. The practical test is administered by FAA representatives or designated pilot examiners independent of IAUPR.</p>	<p>Measured the previous academic year by Prof. Alex Ortiz</p>		
<p>AWSC 2000</p> <p>Introduction to Aeronautics and Space</p> <p>Students must demonstrate the ability to assess the national and international aviation environment.</p> <p>AABI Outcome I</p>	<p>I.1: Students must be able to discriminate between acts and regulations affecting the aviation industry domestically and internationally.</p> <ol style="list-style-type: none"> 1. The assessment tools used will be an Exam. 2. Embedded test questions about the specific topics will be inserted in the tests. 3. At least 70% of students will score 70% or more on the specific questions. 	<p>Measured the previous academic year by Prof. Caroline Ocasio</p>	NA	NA
<p>AWSC 2115</p> <p>Private Pilot Theory</p> <p>Flight students must demonstrate the ability to</p>	<p>I.2: Students must explain the integration of airports, airspace, and air traffic control in managing the National Airspace System.</p>	<p>Measured by Dr. Jonathan Velazquez during Spring 2019</p>	NA	NA



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<p>assess the national and international aviation environment.</p> <p>AABI Outcome I</p>	<ol style="list-style-type: none"> 1. The assessment tool will be an exam. 2. At least 70% of students will score 70% or more on the specific questions. 			
<p>AWSC 3600</p> <p>Aviation Safety and Security</p> <p>Students must demonstrate the ability to assess the national and international aviation environment.</p> <p>AABI Outcome I</p>	<p>I.3: Students must be able to explain the international accident investigation process including the role of the International Civil Aviation Organization and other regional and national authorities.</p> <ol style="list-style-type: none"> 1. The assessment tool used will be an exam. 2. An embedded short essay question will be inserted in the exam regarding this topic. 3. The class roster shall obtain an average score of 3.5 out of 5 (maximum) on this particular question (#31). 	<p>Measured by Dr. Jonathan Velazquez during Fall 2020</p>	<p>Results revealed that the average score for the entire class roster was 2.24 out of a maximum of 5 points.</p>	<p>Assessment goal was NOT met</p> <p>This semester students are doing 100% remote learning. A vaccine is still not available. The pandemic stress might be a factor in the low achievement scores of the students. In addition, the course was delivered, for the first time, as 50% online and 50% videoconference course, which meant that they were responsible for 50% of the course content on their own. Given the stress of the global pandemic and the uncertainty, it produced, I would re-measure this outcome under a less stressful situation, end even perhaps, within a 100% video conference or in-person delivery.</p>
<p>PHYS 3500</p> <p>Aviation Physics</p>	<p>J.1: Students must be able to identify, execute, solve, and evaluate concepts and equations related to the</p>	<p>Dr. Jesus Piñero</p> <p>Spring 2022</p>	<p>After evaluating the reports 74% of students scored above 70%. All students score at least 60%.</p>	<p>Assessment goal was met</p> <p>Although no big changes are required at this moment,</p>



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<p>Students must demonstrate the ability to apply pertinent knowledge in identifying and solving problems.</p> <p>AABI Outcome J</p>	<p>solution of problems within aviation physics.</p> <ol style="list-style-type: none"> 4. An exam. 5. Embedded test questions about the specific topics will be inserted in the test. 6. At least 70% of students will score 70% or more on these specific questions. 		<p>Please see attached assessment tool solutions. The scores were as follows:</p> <ol style="list-style-type: none"> 8. Heyslie Heredia: 17/20. 9. Fernando Mendoza: 20/20. 10. Sarahi Acevedo: 20/20. 11. Michael Cruz: 20/20. 12. Jaime Aponte: 20/20. 13. Daniel Rondon: 20/20. 14. Diego Gonzalez: 17/20. 	<p>there is still room to improve the course. Thus, efforts will continue to enhance the students understanding of the laws of physics as applied to aviation.</p>
<p>AWSC 3600</p> <p>Aviation Safety and Security</p> <p>Students must demonstrate the ability to apply pertinent knowledge in identifying and solving problems.</p> <p>AABI Outcome J</p>	<p>J.2 Students must be able to identify the hazards and risks associated with a safety scenario and propose methods to reduce the levels of risk to as low as reasonably practical (ALARP). Once the students identify the related hazards, they will determine the likelihood and severity of the risks associated with the situation. In the end, the students will propose methods to reduce</p>	<p>Measured by Dr. Jonathan Velazquez during Fall 2020</p>	<p>NA</p>	<p>NA</p>



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	<p>the risks to levels as low as reasonably practical (ALARP).</p> <ol style="list-style-type: none"> 1. The assessment tool will be a written report of a case study. 2. This report has a maximum value of 10 points. 3. 70% of students must score 7 points in the written report. 			
<p>AWSC 4370</p> <p>Flight Instructor (Flight portion) Flight students must demonstrate the ability to apply pertinent knowledge in identifying and solving problems.</p> <p>AABI Outcome J</p>	<p>J3: Students must be able to assess and correctly perform so as to identify and solve simulated in-flight emergencies that include but are not limited to: loss of communications, engine fire, and systems/equipment malfunctions.</p> <ol style="list-style-type: none"> 1. The assessment tool to be used is a specially developed rubric utilized during the End-of-Course or final performance check of CFI candidates. 2. Students must be found acceptable and commendable on all criteria. 3. After each performance check is satisfactorily completed the data will 	<p>Mr. Alex Ortiz has yet to submit assessment report.</p> <p>Spring 2022</p>		



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	be collected and the student will be recommended for certification (practical test).			
<p>AWSC 4000: Airport Development and Operations</p> <p>Students must be able to demonstrate the ability to apply knowledge of business sustainability to aviation issues.</p> <p>AABI Outcome K</p>	<p>K.1: Students must be able to evaluate different methods available to increase the airport capacity and reduce possible delays associated with the operations. Based on a given scenario, the student will identify possible areas of conflicts in terms of the safe and efficient flow of aircraft in and out of the airport. The student will analyze different approaches to alleviate or eliminate the situation. Finally, the student will design a strategy to implement it as the action plan to follow.</p> <ol style="list-style-type: none"> 1. The assessment tool will be a written and oral project corrected with a rubric. 2. Two rubrics are especially designed to evaluate the students on a defined set of criteria. 3. 70% of students will score 70% on this rubric 	<p>Dr. Erick Gracia</p> <p>Spring 2022</p>	<p>After evaluating all the assessment tools as one (Group Oral Presentation Rubric and the written Paper Rubric) 100% of students scored above 70%.</p> <p>On the first rubric, designed specifically to measure the student's oral ability to present a given problem and provide solutions with no room for misunderstanding or error, 100% of students scored above 70%.</p> <p>On the second rubric, designed specifically to measure the student's ability to solve a specific of Airport Capacity given a specific scenario, 100% of students scored above 70%</p>	<p>Assessment goal was met</p> <p>No specific recommendations, changes, nor modifications to course content or program are required at this moment.</p>



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			See sample project and rubric	
<p>AWSC 4204:</p> <p>Air Carrier Operations</p> <p>Flight students must be able to demonstrate the ability to apply knowledge of business sustainability to aviation issues.</p> <p>AABI Outcome K</p>	<p>K.2: Students must be able to conduct research on airline strategies to offer innovative solutions towards sustainable air carrier operations in terms of development, economy, and/or social standpoints.</p> <ol style="list-style-type: none"> 1. The assessment tool will be a written project corrected with a rubric. 2. 70% percent of the class roster must score 7 or more on the specific rubric criterion measuring sustainability to aviation. 	<p>Measured by Dr. Jonathan Velazquez during Spring 2021</p>		
<p>AWSC 4680</p> <p>Aviation Strategic Management</p> <p>Aviation Management Students must demonstrate the ability to engage in and recognize the need for life-long learning.</p> <p>AABI Outcome K</p>	<p>Students must be able to apply knowledge of business sustainability to aviation issues by analyzing the company and writing a paper identifying the strategies used for sustainability. This was a team project.</p> <ol style="list-style-type: none"> 1. The assessment tool will be an analysis paper evaluated using a specialized rubric. 2. At least 70% of students must score 70% percent. 	<p>Measured by Prof. Caroline Ocasio during Spring 2019</p>		



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Additional notes:

The Learning Outcomes presented here are the General Outcomes established by the Aviation Accreditation Board International (AABI). The specific program outcome has been included within the second column that explains the assessment method used to evaluate achievement in that particular objective.

In some cases, data on the outcome was included even though it was measured previously. This is because although measured, at that specific moment, the assessment activity was not reported or available by the time of the final publication. However, it has been retrieved and included now.

One instructor has not reported their assessment activities by the time this document was requested. If submitted afterwards, we can include the assessment data in a next academic table layout year.

Feel free to solicit assistance to comprehend the information disclosed.

The following table summarizes achievements in the AABI outcomes.

Student Learning Outcomes 2021-2021 (155)										
a	b	c	d	e	f	g	h	i	j	k
1		1	1		1	1	1+"1"	"1"		1

Student Learning Outcomes 2016-2017 (152)										
a	b	c	d	e	f	g	h	i	j	k
1+"1"	"1"	1	1		1	1	1			1



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Proposed goals for next assessment year (2017-2018):

1. Collect Assessment for pending course
 - a. AWSC 3155 Instrument Rating
2. With new faculty still entering our program and two others possibly joining next year, assessment training is necessary.

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