

Inter American University of Puerto Rico  
Bayamón Campus  
School of Aeronautics

**Course Assessment 2020-2021**

Compiled by:  
DR. JONATHAN VELAZQUEZ RIVERA  
Assessment Coordinator for Aviation programs



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**Course Assessment Layout Table**

The following table summarizes the results of the various Pre and Post Assessments for the different aviation courses. Information excludes courses classified as practicums, flight laboratory or low student activity enrollment (contractual) courses.

\* Represents additional input from the Assessment Coordinator – Dr. Jonathan Velazquez

<b>Aviation Course</b>	<b>Average Pre and Post Test Scores</b>	<b>Person Responsible for Data Collection and Analysis</b>	<b>Results of Evaluation</b>  What were the findings of the analysis?	<b>Use of Evaluation Results</b>  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?
<b>AWSC 2000</b>  <b>Introduction to Aeronautics and Space</b>	Pre Test Score: 5.2 Post Test Score: 5.9	Prof. Caroline Ocasio  Spring 2021	a) The results show that 60% of students had difficulty with question #5, which asked to identify the events that resulted from scandal and the Air Mail Act of 1934. b) 71% of students missed question #1 about the NTSB c) 65% of students missed the question on Airline Deregulation	a) In previous semesters, students missed this question by 74%, which means there is an improvement. I will review the alternatives and possibly modify them. b) The students need more exposure to the NTSB; an assignment will be created so they may search for deeper information. c) This question will be restructured to eliminate confusion to students.
<b>AWSC 2020</b>  <b>Aviation Fundamentals</b>		Dr. Jonathan Velazquez Spring 2021	This is the first time the course had been delivered by this instructor.	n/a



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<b>AWSC 2115</b> <b>Private Pilot Theory</b>	Pre Test Score: 5.3 Post Test Score: 7.7	Dr. Jonathan Velazquez  Spring 2021	A close examination of the current assessment results reveal that <u>Airspace</u> continues to be problematic for students. During this year, a total of 66% missed this question on the Post exam. No other areas are problematic.	Prior to the pandemic, an assigned reading had proved to be a good supplement and strategy. However, during remote delivery (online video conferencing) of this course, I can see many students are not motivated to read. Therefore, to increase the scores in this topic area, I will require a viewing of a YouTube video where Airspace is explained prior to the class presentation. The YouTube video has always been there; however, it was a suggested view.
<b>AWSC 3155</b> <b>Instrument Pilot</b>	Pre Test Score: n/a Post Test Score: n/a	This course was taught under contractual terms during this academic year.		
<b>AWSC 3160</b> <b>Commercial Pilot</b>	Pre Test Score: n/a Post Test Score: n/a	This course was taught under contractual terms during this academic year.		
<b>AWSC 3300</b> <b>Aviation Law</b>	Pre Test Score: Post Test Score:	Prof. Gema Torres  Spring 2021	A new professor taught this course.	n/a
<b>AWSC 3411</b> <b>Principles of Air Traffic Control</b>	Pre Test Score: Post Test Score:	<b>Prof. Jacinto Matias</b> Fall 2020	<b>Did not submit report</b>	n/a
<b>AWSC 3600</b> <b>Aviation Safety and Security</b>	Pre Test Score: 5.7 Post Test Score: 6.6	Prof. Caroline Ocasio  Spring 2021	66% of students had difficulty with question #5, which asked about the ICAO ADREP.	I will reconsider restating the question.
<b>AWSC 4000</b>	Pre Test Score: 2.4	Prof. Caroline Ocasio	54% of students had difficulty with question #5,	No changes are required at this time since this is the first time this



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<b>Airport Development and Operations</b>	Post Test Score: 3.4		regarding the ARFF airport index	evaluation is performed and measured by the current instructor.
<b>AWSC 4100 Career Development for Aerospace Professionals</b>	Pre Test Score: Post Test Score:	<b>Prof. Luis Alcaraz –</b>	<b>Did not submit report</b>	n/a
<b>AWSC 4204 Air Carrier Operations</b>	Pre Test Score: Post Test Score:	Dr. Jonathan Velazquez  Spring 2021	No assessment was required as this moment as this was the first time the course instructor had delivered this course	n/a
<b>AWSC 4305 Aviation Weather</b>	Pre Test Score: 5.7 Post Test Score: 7.5	Prof. Carole Gelpí  Spring 2021	No question was missed by 50% or more of the student population during the Post Exam	No further recommendations, changes, nor modifications to course content are required at this moment.
<b>AWSC 4310 Human Factors in Aviation</b>	Pre Test Score: 4.4 Post Test Score: 6.4	Dr. Jonathan Velazquez  Spring 2021	Current assessment demonstrates that 64% of students missed the question on Memory and Human Information Processing (HIP) systems. This was question # 4. In addition, 73% of students missed the question on Risk Management.	During class, and for HIP, I will use a technique called oral quizzing before proceeding to the next topic. This strategy should not take much time or increase the allotted time for the subject. The topic of Risk Management is tailored for students in the Professional Pilot major. I will introduce PREE an alternative for the PAVE checklist (model/tool used for pilots during Risk Management) so that Aviation Management students can also become acquainted with this Risk Management Strategy. This should not increase the allotted time assigned for this topic either as it would be a side-by-side in-class comparison.



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<b>AWSC 4320</b> <b>Advanced Aircraft Systems</b>		Course was offered under contractual agreement.		No assessment was required.
<b>AWSC 4340</b> <b>Applied Aerodynamics</b>		Course was offered under contractual agreement.		
<b>AWSC 4370</b> <b>Flight Instructor</b>		Course was offered under contractual agreement.		
<b>AWSC 4384</b> <b>Training Techniques for Flight Crew (CRM Training)</b>		Course was offered under contractual agreement.		No assessment was required.
<b>AWSC 4600</b> <b>Airline Management</b>	Pre Test Score: Post Test Score:	<b>Prof. Caroline Ocasio</b>  <b>Fall 2020</b>	Professor had difficulties retrieving the assessment data due to the pandemic.	n/a
<b>AWSC 4680</b> <b>Aviation Strategic Management</b>	Pre Test Score: 7.7 Post Test Score: 8.7	Prof. Caroline Ocasio  Spring 2021	No question proved to be problematic in 50% or more of Post Exam instances.	No further recommendations, changes, nor modifications to course content or program are required at this moment.

Additional notes:

Some **professors** forgot to administer the Pre-Post Exam, even though it was not the first time they delivered the course. Other professors were brave in administering such test even though they were teaching the course for the first time. More cooperation is needed from faculty to avoid missing assessment data collection.

Dr. Jonathan Velázquez, Ph.D., ATP, CFI  
Aviation Assessment Coordinator  
School of Aeronautics  
787-279-1912 ext. 2416