

Inter American University of Puerto Rico  
Bayamón Campus  
School of Aeronautics

**Course Assessment 2021-2022**

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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: 5.0 Post Test Score: 7.1	Prof. Caroline Ocasio  Fall 2021	The questions on Air Mail Act and the question on the NTSB did not present difficulties this time around. However, 64% of students had difficulties with the question on Deregulation.	The question Airline Deregulation will be restructured to eliminate confusion to students.
<b>AWSC 2020</b> <b>Aviation Fundamentals</b>		A first-time professor delivered this course (Prof. Carlos Matos)	This is the first time the course had been delivered by this instructor.	n/a
<b>AWSC 2115</b> <b>Private Pilot Theory</b>		A first-time professor delivered this course (Prof. Omar Carle)	This is the first time the course had been delivered by this instructor.	n/a



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<b>AWSC 2300</b> <b>Airline Passenger Services</b>	Pre Test Score: 4.4 Post Test Score: 6.8	Prof. Caroline Ocasio Fall 2021	No question was missed by 50% or more of the student population	No further recommendations, changes, nor modifications to course content are required at this moment.
<b>AWSC 3155</b> <b>Instrument Pilot</b>	Pre Test Score: n/a* Post Test Score: 8.0	Dr. Jonathan Velazquez Fall 2021	*The course roster grew after the first few weeks of the course; therefore, no pre-test was administered at the beginning of the semester.  A close examination of the current assessment results reveals that no question presented difficulties during the Post Exam; none was missed by 50% or more of the student population.	Because no question was missed by 50% or more of the student population, no further recommendations, changes, nor modifications to course content are required at this moment.
<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: n/a Post Test Score: n/a	A first-time professor delivered this course (Prof. Carlos Matos)	This is the first time the course had been delivered by this instructor.	n/a
<b>AWSC 3411</b> <b>Principles of ATC</b>	Pre Test Score: n/a Post Test Score: n/a	A first-time professor delivered the course (Prof. Gabriel Vivas)	This is the first time the course had been delivered by this instructor.	n/a
<b>AWSC 3600</b> <b>Aviation Safety and Security</b>	Pre Test Score: 5.1 Post Test Score: 6.6	Prof. Caroline Ocasio	Questions #5 and #8 were missed this semester again by 50% or more of the students. Therefore, it is evident these two questions	When presenting the Reporting Topic for safety, this issue must include a better explanation on ICAOS's ADREP. Perhaps students



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			must be evaluated. From the way the information is taught in class to the way the questions are structured.	can research this on their own, so they can learn more on the topic. As far as SeMS I believe it is a matter of using this acronym more in the lecture so students become more familiar with it. One way this can also be addressed is by creating a safety acronym guide. This can also be turned into a homework.
<b>AWSC 4000</b> <b>Airport Development and Operations</b>	Pre Test Score: n/a Post Test Score: n/a	Dr. Erick Gracia Spring 2022	It had been a while (more than 5 years) since the professor had delivered this course. Assessment is expected next year.	n/a
<b>AWSC 4100</b> <b>Career Development for Aerospace Professionals</b>	Pre Test Score: n/a Post Test Score: n/a	A first-time professor delivered the course (Prof. Elvin Negrón) this year	This is the first time the course had been delivered by this instructor.	n/a
<b>AWSC 4204</b> <b>Air Carrier Operations</b>	Pre Test Score: n/a Post Test Score: n/a	Prof. Caroline Ocasio Spring 2022	It had been a while (more than 5 years) since the professor had delivered this course. Assessment is expected next year.	n/a
<b>AWSC 4305</b> <b>Aviation Weather</b>	Pre Test Score: n/a Post Test Score: n/a	A first-time professor delivered the course (Prof. Carlos Matos) this year.	This is the first time the course had been delivered by this instructor.	n/a
<b>AWSC 4310</b> <b>Human Factors in Aviation</b>	Pre Test Score: 4.8 Post Test Score: 7.9	Dr. Jonathan Velazquez  Fall 2021	A close examination of the current assessment results reveals that no question presented difficulties during the Post Exam; none was missed by 50% or more of the student population. The strategies of oral quizzing, for the topic of Human Information Processing (HIP) and the new	Because no question was missed by 50% or more of the student population, no further recommendations, changes, nor modifications to course content are required at this moment.



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			PREE model side-by-side comparison (regarding the Risk Management topics) proved to be successful. The HIP question was only missed by 41% of the students while the Risk Management question was answered correctly by 88% of the population.	
<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: 6.1 Post Test Score: 7.6	Prof. Caroline Ocasio Fall 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.
<b>AWSC 4680</b> <b>Aviation Strategic Management</b>	Pre Test Score: 7.3 Post Test Score: 8.2	Prof. Caroline Ocasio Spring 2022	This semester, students scored very strongly on all questions but one: questions #6 on Differentiation Strategy. Only 46% of students selected the correct answer.	Since this is the first-time students missed this question, more examples will be used in the lecture. No other changes for now.



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Additional notes:

Many new adjunct professors joined the School this semester. Dr. Velazquez is planning an assessment session in early August (of 2022) to train them on how to conduct Pre-Post Assessments using the Blackboard Learning Management System.

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