Outcomes

1. Students will demonstrate an understanding of the economic, social, and political aspects of the aerospace industry.
   
   **Start:** 7/1/2015
   
   **End:** 6/30/2016
   
   **Person(s) Responsible:** G.L. Hill, Administration Coordinator
   
   **Responsible Roles:**
   
   **Outcome Type:** Program Outcome
   
   **Measure 1**
   
   Students successfully complete the appropriate Capstone Course for their emphasis (AERO 4050 or AERO 4140 or AERO 4170 or AERO 4660 or TRNS 4640) in which a presentation and a written paper is required. An Industry representative attends the presentations and provides professional comment regarding the presentation to the student.**

   **What changes have you made based on prior results of measure 1**
   
   Curriculum reviewed Summer 2015 and adjustments made by Fall 2015 to ensure that the students better understand the differences between economic factors, the effects of social aspects and politics on the industry.

   Students oral presentations and written papers will continue to be evaluated to determine if the curriculum changes positively impact their performance.

   **Analysis of Results for Measure 1**
   
   90% of the students identified a problem facing the aviation / transportation industry and demonstrate in-depth knowledge of the topic. 90% of the students demonstrated effective research skills through the use of current references or appropriate interview / survey methods.

   **Future actions based on results from measure 1**
   
   Continue to monitor students' successfully complete of the presentation and written paper in the appropriate Capstone Course for their emphasis (AERO 4050 or AERO 4140 or AERO 4170 or AERO 4660 or TRNS 4640). Continue to use feedback from industry representatives attending the presentations in the analysis.

   Continue to monitor students' successfully complete of the presentation and written paper in the appropriate Capstone Course for their emphasis (AERO 4050 or AERO 4140 or AERO 4170 or AERO 4660 or TRNS 4640). Continue to use feedback from industry representatives attending the presentations in the analysis.

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2. Students will demonstrate the ability to communicate effectively, orally and in writing, regarding current aviation and transportation issues.
   
   **Start:** 7/1/2015
End: 6/30/2016  
Person(s) Responsible: G.L. Hill, Administration Coordinator  
Responsible Roles:  
Outcome Type: Program Outcome  

**Measure 1**  
Students will demonstrate the ability to communicate effectively, orally and in writing, regarding current aviation and transportation issues.  

Students successfully complete the appropriate Capstone Course for their emphasis (AERO 4050 or AERO 4140 or AERO 4170 or AERO 4660 or TRNS 4640) in which a presentation and a written paper is required. An Industry representative attends the presentations and provides professional comment regarding the presentation to the student.  

**What changes have you made based on prior results of measure 1**  
Students were evaluated on the following criteria:  
Did the student use current published references or appropriate interview / survey methods? 90% of students used current published references or appropriate interview / survey methods.  
Was the presentation appropriate with pertinent supporting documents? 90% of student presentations used appropriate supporting documents.  

**Analysis of Results for Measure 1**  
Did the student use current published references or appropriate interview / survey methods? 90% of students used current published references or appropriate interview / survey methods. Was the presentation appropriate with pertinent supporting documents? 94% of student presentations used appropriate supporting documents.  

**Future actions based on results from measure 1**  
1. Continue to monitor students' successfully complete of the presentation and written paper in the Capstone Course (AERO 4040).  
2. Continue to use feedback from industry representatives attending the presentations in the analysis.  
3. Students will gain an appreciation of the professional and ethical responsibilities of the business elements, including all management levels.  

1. Continue to monitor students' successfully complete of the presentation and written paper in the Capstone Course (AERO 4040). 2. Continue to use feedback from industry representatives attending the presentations in the analysis. 3. Students will gain an appreciation of the professional and ethical responsibilities of the business elements, including all management levels.  

3. **Students will gain an appreciation of the professional and ethical responsibilities of the business elements, including all management levels.**  
   Start: 7/1/2015  
   End: 6/30/2016  
   Person(s) Responsible: G.L. Hill, Administration Coordinator  
   Responsible Roles:  
   Outcome Type:
Measure 1
Successful coordination and completion of the FOCUS lab simulations per the professional and instructional observer ratings. Successful completion of AERO 4040 Aerospace Seminar, FOCUS (Flight Operations Center- Unified Simulation) lab simulation training. Demonstration of proficiency with aviation and transportation management elements.

What changes have you made based on prior results of measure 1
Curriculum review and adjustments were made by Fall 2015 to ensure that the students better understood the difference between economic factors, the effects of social aspects, and politics on the industry. The curriculum was adapted to ensure that the students received more in-depth training for their FOCUS Lab positions.

FOCUS Lab After Action Review (AAR) and Team Work Results Survey were changed to be accomplished at the same time.

Analysis of Results for Measure 1
Each team improved through each lab scenario presentation after completing revised after action reviews (AAR). There was significant improvement of the team element after each review session. Evaluation of student performance through professional and instructional observer rating noted improved emphasis on the teamwork concept. Evaluation of student performance through professional and instructional observer rating noted improved knowledge of each element through the hands-on lab experience. Student demonstrated and increased understanding of financial and organizational impact of their decision making process.

Future actions based on results from measure 1
Continue to monitor student performance and successful completion of AERO 4040 Aerospace Seminar, FOCUS (Flight Operations Center-Unified Simulation) lab simulation training by demonstrating proficiency with aviation and transportation management elements.