### Student Learning Outcome:
1. Students will demonstrate an understanding of the economic, social, and political aspects of the aerospace industry.

### Measure 1:
Students successfully complete the appropriate Capstone Course for their emphasis (TRNS 4640 or AERO 4170 or AERO 4140 or AERO 4050) 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.**

### Person(s) Responsible:
G.L. Hill, Administration Coordinator

### Completion Date:
07/23/2015

### Analysis of Results for Measure 1. (include strengths & weaknesses):
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.

### Supporting Document(s):

---

### Future Actions:
Describe Program Changes (adding a course, assignment, project, etc.):
Continue to monitor students’ successfully complete of the presentation and written paper in the appropriate Capstone Course for their emphasis (TRNS 4640 or AERO 4170 or AERO 4050). Continue to use feedback from industry representatives attending the presentations in the analysis.
**Student Learning Outcome:**

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

**Measure 1:**

Students successfully complete the appropriate Capstone Course for their emphasis (TRNS 4640 or AERO4170 or AERO 4140 or AERO 4050) in which a presentation and a written paper is required. An Industry representative is present for comment on the student presentations. Peer review of the students paper by a students classmate.**

**Person(s) Responsible:**

G.L. Hill, Administration Coordinator

**Completion Date:**

07/23/2015

**Analysis of Results for Measure 1. (Include strengths & weaknesses):**

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 students presentations used appropriate supporting documents. Was the paper in proper format with correct spelling and pertinent information? 90% of students completed papers

**Supporting Document(s):**

The curriculum was adapted for the Fall 2014 semester to ensure that the students were aware of the need to use comparable examples when presenting differential factors. Curriculum reviewed Summer 2014 and adjustments made Fall 2014 to ensure that the students better understood the differences between economic factors, the effects of social aspects, and politics on the industry. Continued to evaluate students' oral presentations and written papers to determine if the curriculum changes positively impacts their performance.
the students were aware of the need to use comparable examples when presenting differential factors. Curriculum reviewed Summer 2014 and adjustments made Fall 2014 to ensure that the students better understood the differences between economic factors, the effects of social aspects, and politics on the industry. Continued to evaluate students' oral presentations and written papers to determine if the curriculum changes positively impacts their performance.

**Future Actions**

*Describe Assessment Changes*
Use of Prior Results: The curriculum was adapted for the Fall 2013 semester to ensure that the students received more in-depth training for their FOCUS Lab positions. FOCUS Lab After Action Review and Team Work Results Survey were changed to be accomplished at the same time. Curriculum reviewed Summer 2014 and adjustments made by Fall 2014 to ensure that the students better understood the differences between economic factors, the effects of social aspects, and politics on the industry. Continued to evaluate students' oral presentations and written papers to determine if the curriculum changes positively impacted their performance.

Student Learning Outcome:
3. Students will gain an appreciation of the professional and ethical responsibilities of the business elements, including all management levels.

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.

Person(s) Responsible: G.L. Hill, Administration Coordinator
Completion Date: 07/31/2015

Analysis of Results for Measure 1. (Include strengths & weaknesses): Each team improved through each lab scenario presentation after completing revised after action reviews. 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 on hands lab experience. Students demonstrated and increased understanding of financial and organizational impact of their

Supporting Document(s):

Future Actions: Describe any additional resources needed (Leave blank if no additional resources are needed):
decision making process.

(Flight Operations Center-Unified Simulation) lab simulation training by demonstrating proficiency with aviation and transportation management elements.

Future Actions:
Describe Assessment Changes (measures such as rubrics, exams, diagnostic instruments, etc.):

Future Actions:
Describe any additional resources needed (Leave blank if no additional resources are needed):