

2016-2017 Assessment Cycle

Assessment Plan

Measures

BS Aviation Maintenance Outcome Set

Outcome

1. Critical Thinking

The student will show evidence of knowledge at a synthesis level to define and solve problems within professional and personal environments.

▼ **Measure:** Alumni Survey
Program level; Indirect - Survey


Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the question "Define and solve problems within professional and personal environments" will be used to collect indirect assessment data of the Program Outcome.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Critical Thinking Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

Supporting Attachments:

 Alumni Survey (Word Document (Open XML))

▼ **Measure:** AMNT 240 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and deliver research papers. The students submissions at activities 3.5 and 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Critical Thinking scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 260 Class Project
Program level; Direct - Student Artifact

Details/Description: AMNT 260 requires the students to develop and deliver two class projects. The students submissions at activities 5.5 and 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each class project.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 270 Case Analysis
Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires the students to develop and deliver four class projects. The students submissions at activities 2.3, 6.3, and 8.3 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each case analysis.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** BSAvM Capstone Paper
Program level; Direct - Student Artifact


Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for this Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

Supporting Attachments:

 Capstone Policy Guide (Adobe Acrobat Document)

2. Quantitative Reasoning

The student will show evidence of the use of digitally-enabled technology and analysis techniques to interpret data for the purpose of drawing valid conclusions and solving associated problems.

▼ **Measure:** Alumni Survey
Program level; Indirect - Survey


Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the question "Interpret data to draw valid conclusions" will be used to collect indirect assessment data of the Program Outcome.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Quantitative Reasoning Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

Supporting Attachments:

 Alumni Survey (Word Document (Open XML))

▼ **Measure:** AMNT 270 Case Analysis
Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires students to complete four case analysis. Student submissions at activities 2.3, 4.3, 6.3, and 8.3 will be used to assess this PO. Student submissions will be scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score on the research paper of 70% or better (passing score) on all case analysis.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair and Instructor

▼ **Measure:** AMNT 280 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 280 requires the students to develop and deliver research papers. The students submissions at activities 2.2, 5.2, and 9.2 will be used to assess this PO. Student submissions are scored using an interactive rubric. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Quantitative Reasoning scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** BSAvM Capstone Paper
Program level; Direct - Student Artifact

Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for this Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** End of Course Feedback
Other level; Indirect - Other

Details/Description: A random sampling will be conducted on AMNT 490 end-of-course student feedback to collect student perceptions on the ability of program courses to prepare students to successfully demonstrate this PO during the capstone course.

Criterion for Success: Likert scoring will be used to determine student perceptions. 75% of students responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

3. Information Literacy

The student will show evidence of meaningful research, including gathering information from primary and secondary sources and incorporating and documenting source material in his/her writing.

▼ **Measure:** Alumni Survey
Program level; Indirect - Survey


Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the question "Conduct meaningful research" will be used to collect indirect assessment data of the Program Outcome.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Information Literacy Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

Supporting Attachments:

 ASAvMBSAvM Alumni Survey Questions.docx (Word Document (Open XML))

▼ **Measure:** AMNT 240 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and deliver research papers. The students submissions at activities 3.5, 6.5, and 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Information Literacy scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 260 Class Project
Program level; Direct - Student Artifact

Details/Description: AMNT 260 requires the students to develop and deliver two class projects. The students submissions at activities 5.5 and 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each class project.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 270 Case Analysis

Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires students to complete four case analysis. Student submissions at activities 2.3, 4.3, 6.3, and 8.3 will be used to assess this PO. Student submissions will be scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score on the research paper of 70% or better (passing score) on all case analysis.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair and Instructor

▼ **Measure:** BSAvM Capstone Paper

Program level; Direct - Student Artifact

Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for the Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair

4. Communication

The student will show evidence of communicating concepts in written, digital and oral forms to present technical and non-technical information.

▼ **Measure:** AMNT 240 Research Paper Assignments

Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and deliver research papers. The students submissions at activities 3.5, 6.5, and 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 260 Class Project

Program level; Direct - Student Artifact

Details/Description: AMNT 260 requires the students to develop and deliver two class projects. The students submissions at activities 5.5 and 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Communication scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each class project.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 270 Case Analysis

Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires students to complete four case analysis. Student submissions at activities 2.3, 4.3, 6.3, and 8.3 will be used to assess this PO. Student submissions will be scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score on the research paper of 70% or better (passing score) on all case analysis.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair and Instructor

▼ **Measure:** BSAvM Capstone Presentation
Program level; Direct - Other


Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for this Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

Supporting Attachments:

 Undergrad Capstone Course Policy Guide Final - July 2015c-2.pdf (Adobe Acrobat Document)

▼ **Measure:** End of Course Feedback
Program level; Indirect - Other

Details/Description: A random sampling will be conducted on AMNT 490 end-of-course student feedback to collect student perceptions on the ability of program courses to prepare students to successfully demonstrate this PO during the capstone course.

Criterion for Success: Likert scoring will be used to determine student perceptions. 75% of students responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

5. Scientific Literacy

The student will show evidence of analyzing scientific evidence as it relates to the physical world and its interrelationship with human values and interests.

▼ **Measure:** Alumni Survey
Program level; Indirect - Survey


Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the question "Analyze scientific evidence" will be used to collect indirect assessment data of the Program Outcome.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Scientific Literacy Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

Supporting Attachments:

 ASAvMBSAvM Alumni Survey Questions.docx (Word Document (Open XML))

▼ **Measure:** AMNT 240 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and deliver research papers. The students submissions at activity 6.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 260 Class Project
Program level; Direct - Student Artifact

Details/Description: AMNT 260 requires the students to complete two class projects. The student submissions at activities 5.5 and 9.5 will be used to assess this PO. An interactive rubric is used to score

student submissions.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) on both research papers.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructor and Program Chairs

▼ **Measure:** AMNT 270 Case Analysis

Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires students to complete four case analysis. Student submissions at activities 2.3, 4.3, 6.3, and 8.3 will be used to assess this PO. Student submissions will be scored using an interactive rubric. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Scientific Literacy scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score on the research paper of 70% or better (passing score) on all case analysis.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair and Instructor

▼ **Measure:** AMNT 280 Research Paper Assignments

Program level; Direct - Student Artifact

Details/Description: AMNT 280 requires the students to develop and deliver research papers. The students submissions at activities 5.2 and 9.2 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** BSAvM Capstone Paper

Program level; Direct - Student Artifact


Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for the Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair

Supporting Attachments:

 Undergrad Capstone Course Policy Guide Final - July 2015c-2.pdf (Adobe Acrobat Document)

6. Cultural Literacy

The student will be able to analyze historical events, cultural artifacts, and philosophical concepts.

▼ **Measure:** Alumni Survey

Program level; Indirect - Survey


Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the question "Analyze historical events, cultural artifacts, and philosophical concepts" will be used to collect indirect assessment data of the Program Outcome.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Cultural Literacy Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructor and Program Chairs

Supporting Attachments:

 ASAvMBSAvM Alumni Survey Questions.docx (Word Document (Open XML))

▼ **Measure:** AMNT 270 Case Analysis
Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires students to complete four case analysis. Student submissions at activity 4.3 will be used to assess this PO. Student submissions will be scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score on the research paper of 70% or better (passing score) on all case analysis.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair and Instructor

▼ **Measure:** AMNT 280 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 280 requires the students to develop and deliver research papers. The students submissions at activities 5.2 and 9.2 will be used to assess this PO. Student submissions are scored using an interactive rubric. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Cultural Literacy scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** BSAvM Capstone Paper
Program level; Direct - Student Artifact


Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for the Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair

Supporting Attachments:

 Undergrad Capstone Course Policy Guide Final - July 2015c-2.pdf (Adobe Acrobat Document)

▼ **Measure:** Research Paper
Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and submit a research paper that covering human factors in aviation maintenance that directly supports the cultural literacy PO. The students submit the research paper in activity 3.5. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for the research paper.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

7. Lifelong Personal Growth

The student will show evidence of the skills needed to enrich the quality of life through activities that enhance and promote lifelong learning in their career field and personal environment.

▼ **Measure:** Alumni Survey
Program level; Indirect - Survey


Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the question "Promote lifelong learning in the aviation maintenance career field" will be used to collect indirect assessment data of the Program Outcome.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Lifelong Learning Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

Supporting Attachments:

 ASAvMBSAvM Alumni Survey Questions.docx (Word Document (Open XML))

▼ **Measure:** AMNT 240 Research Paper Assignments

Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and deliver research papers. The students submissions at activity 3.5 will be used to assess this PO. Student submissions are scored using an interactive rubric. Taken early in the student's degree program, this course provides a baseline for analysis when compared to LLPG scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 260 Class Project

Program level; Direct - Student Artifact

Details/Description: AMNT 260 requires the students to complete two class projects. The student submissions at activities 5.5 and 9.5 will be used to assess this PO. An interactive rubric is used to score student submissions.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) on both research papers.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructor and Program Chairs

▼ **Measure:** AMNT 281 Research Paper Assignments

Program level; Direct - Student Artifact

Details/Description: AMNT 281 requires the students to develop and deliver research papers. The students submissions at activity 2.2 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** BASvM Capstone Paper

Program level; Direct - Student Artifact


Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for the Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017

Key/Responsible Personnel: Program Chair

Supporting Attachments:

 Undergrad Capstone Course Policy Guide Final - July 2015c-2.pdf (Adobe Acrobat Document)

▼ **Measure:** End of Course Feedback

Program level; Indirect - Other

Details/Description: A random sampling will be conducted on AMNT 490 end-of-course student feedback to collect student perceptions on the ability of program courses to prepare students to successfully

demonstrate this PO during the capstone course.

Criterion for Success: Likert scoring will be used to determine student perceptions. 75% of students responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

8. Aviation Maintenance

The student will be able to demonstrate an understanding and application of the fundamentals of aviation maintenance, commonly accepted maintenance practices, and global regulations applicable to the aviation maintenance industry.

▼ **Measure:** Alumni Survey Program level; Indirect - Survey


Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the questions "Knowledge of electrical systems theory, principles, and procedures; Knowledge of airframe structures principles and repairs; Knowledge of electrical systems theory, principles, and procedures; Knowledge of airframe structures principles and repairs; Knowledge of airframes systems and applications (hydraulics, environmental, etc.); Knowledge of reciprocating and turbine engines and their respective systems; Knowledge of maintenance troubleshooting theory" will be used to collect indirect assessment data of the Program Outcome.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Aviation Maintenance Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

Supporting Attachments:

 ASAvMBSAvM Alumni Survey Questions.docx (Word Document (Open XML))

▼ **Measure:** AMNT 240 Research Paper Assignments Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and deliver research papers. The students submissions at activity 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 260 Class Project Program level; Direct - Student Artifact

Details/Description: AMNT 260 requires the students to develop and deliver two class projects. The students submissions at activities 5.5 and 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each class project.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 270 Case Analysis Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires students to complete four case analysis. Student submissions at activities 2.3, 4.3, 6.3, and 8.3 will be used to assess this PO. Student submissions will be scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score on the research paper of 70% or better (passing score) on all case analysis.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair and Instructor

▼ **Measure:** AMNT 271 Individual Project
Program level; Direct - Student Artifact

Details/Description: AMNT 271 requires the students to complete two class projects. The student submissions at activities 5.5 and 9.4 will be used to assess this PO. An interactive rubric is used to score student submissions. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Aviation Maintenance scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) on both research papers.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructor and Program Chairs

▼ **Measure:** AMNT 280 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 280 requires the students to develop and deliver research papers. The students submissions at activities 2.2 and 9.2 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 281 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 281 requires the students to develop and deliver research papers. The students submissions at activity 5.2 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** BSAvM Capstone Paper
Program level; Direct - Student Artifact


Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for the Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

Supporting Attachments:

 Undergrad Capstone Course Policy Guide Final - July 2015c-2.pdf (Adobe Acrobat Document)

9. Aviation Maintenance Management:

The student will demonstrate an understanding and application of management functions applicable to aviation maintenance

▼ **Measure:** Alumni Survey
Program level; Indirect - Survey

Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the questions "Understand and apply management functions applicable to aviation maintenance operations; Understanding and knowledge of global aircraft maintenance regulations and publications" will be used to collect indirect assessment data of the Program Outcome.


operations for all types of aerial vehicles.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Aviation Maintenance Management Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

Supporting Attachments:

 ASAvMBSAvM Alumni Survey Questions.docx (Word Document (Open XML))

▼ **Measure:** AMNT 240 Research Paper Assignments

Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and deliver research papers. The students submissions at activity 6.5 will be used to assess this PO. Student submissions are scored using an interactive rubric. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Aviation Maintenance Management scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 260 Class Project

Program level; Direct - Student Artifact

Details/Description: AMNT 260 requires the students to develop and deliver two class projects. The students submissions at activity 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each class project.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 270 Case Analysis

Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires students to complete four case analysis. Student submissions at activity 8.3 will be used to assess this PO. Student submissions will be scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score on the research paper of 70% or better (passing score) on all case analysis.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair and Instructor

▼ **Measure:** AMNT 271 Individual Project

Program level; Direct - Student Artifact

Details/Description: AMNT 271 requires the students to complete two class projects. The student submissions at activity 9.4 will be used to assess this PO. An interactive rubric is used to score student submissions.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) on both research papers.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructor and Program Chairs

▼ **Measure:** AMNT 280 Research Paper Assignments

Program level; Direct - Student Artifact

Details/Description: AMNT 280 requires the students to develop and deliver research papers. The

students submissions at activities 2.2 and 5.2 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** AMNT 281 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 281 requires the students to develop and deliver research papers. The students submissions at activity 5.2 and 9.2 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure:** BSAvM Capstone Paper
Program level; Direct - Student Artifact


Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: Criterion for Success: 80% of students will have an average score for the Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

Supporting Attachments:

 Undergrad Capstone Course Policy Guide Final - July 2015c-2.pdf (Adobe Acrobat Document)

10. Aviation Maintenance Safety:

The student will demonstrate a comprehension and application of the basic concepts of ground and flight safety pertaining to the aviation maintenance industry.

▼ **Measure:** Alumni Survey
Program level; Indirect - Survey


Details/Description: The Alumni Survey was updated for the 2016-2017 AY to include additional Program Outcome specific questions. A random sampling for the feedback to the question "Knowledge of maintenance operations and safety practices" will be used to collect indirect assessment data of the Program Outcome.

Criterion for Success: Responses will be collected to assess student perceptions of how well the courses taken during the BSAvM degree program developed the Aviation Maintenance Safety Program Outcome. Likert scoring will be used to determine scoring. 75% of alumni responding to the survey will agree.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chairs

Supporting Attachments:

 ASAvMBSAvM Alumni Survey Questions.docx (Word Document (Open XML))

▼ **Measure:** AMNT 240 Research Paper Assignments
Program level; Direct - Student Artifact

Details/Description: AMNT 240 requires the students to develop and deliver research papers. The students submissions at activity 3.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure: AMNT 260 Class Project**
Program level; Direct - Student Artifact

Details/Description: AMNT 260 requires the students to develop and deliver two class projects. The students submissions at activities 5.5 and 9.5 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each class project.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure: AMNT 270 Case Analysis**
Program level; Direct - Student Artifact

Details/Description: AMNT 270 requires students to complete four case analysis. Student submissions at activity 2.3 will be used to assess this PO. Student submissions will be scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score on the research paper of 70% or better (passing score) on all case analysis.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Program Chair and Instructor

▼ **Measure: AMNT 271 Individual Project**
Program level; Direct - Student Artifact

Details/Description: AMNT 271 requires the students to complete two class projects. The student submissions at activity 5.5 will be used to assess this PO. An interactive rubric is used to score student submissions. Taken early in the student's degree program, this course provides a baseline for analysis when compared to Aviation Maintenance Safety scores achieved during the completion of the AMNT capstone.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) on both research papers.

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructor and Program Chairs

▼ **Measure: AMNT 280 Research Paper Assignments**
Program level; Direct - Student Artifact

Details/Description: AMNT 280 requires the students to develop and deliver research papers. The students submissions at activities 2.2 and 5.2 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure: AMNT 281 Research Paper Assignments**
Program level; Direct - Student Artifact

Details/Description: AMNT 281 requires the students to develop and deliver research papers. The students submissions at activity 5.2 and 9.2 will be used to assess this PO. Student submissions are scored using an interactive rubric.

Criterion for Success: 80% of students will have an average score of 70% or better (passing score) for each research paper.

Timeframe of Data Collection: 2016-2017 Assignment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

▼ **Measure: BSAvM Capstone Paper**
Program level; Direct - Student Artifact

Details/Description: The AMNT 490 Aviation Maintenance Capstone course was developed to assess the Program Outcomes for the BSAvM degree program. The Capstone is taken at the end of the students' degree program. Program Outcomes are assessed through the use of standardized, interactive rubrics to ensure continuity.

Criterion for Success: 80% of students will have an average score for this Program Outcome assessed of 70% or better (passing score).

Timeframe of Data Collection: 2016-2017 Assessment Cycle

Key/Responsible Personnel: Instructors and Program Chairs

Supporting Attachments:



Undergrad Capstone Course Policy Guide Final - July 2015c-2.pdf (Adobe Acrobat Document)

Last Modified: 09/22/2016 11:36:52 PM EST