

REPORT ON AY2022-2023 ACADEMIC ASSESSMENT**Submission date:** 2/12/2024**Assessment Plan covered in the report:** Aviation Technology BS**College:** Community and Technical College**Campuses where the program(s) is delivered:** ☒ Anchorage ☐ KOD ☐ KPC ☐ MSC ☐ PWSC**Submitted by:** Ishmael Cremer, Assistant Professor, UAA

After responding to the questions below, the program should email this form to the dean, with a copy to the appropriate community campus director(s) if the program is delivered on a community campus.

- 1. Please list and number the Program Student Learning Outcomes your program assessed in AY23. For each outcome, indicate one of the following: Exceeded faculty expectations, Met faculty expectations, or Did not meet faculty expectations.**

Example: 1. Communicate effectively in a variety of contexts and formats – Exceeded faculty expectations.

1) Demonstrate technical knowledge of aircraft operating limitations and performance:

We used the final grades for all ATP A100, Private Pilot Ground, students. This year's results of a 80% pass rate indicate a consistent high standard for our students. Although a lower score than the previous year, we've had an influx of students entering the aviation program due to the growth in the aviation industry job market. This large increase required the college to increase the number of students per section, which probably played a role in the lower student performance. - Met Faculty Expectations

2) Demonstrate knowledge of aviation law and regulations, and of the legal issues affecting the aviation industry. Final grades for all ATA A133 students are used since that course covers Aviation Law, and Regulations. 87% of students earned a passing grade in AY23 - Exceeded Faculty Expectations.

3) Demonstrate knowledge of the issues affecting aviation safety and safety management.

We use the final grades from ATA 233, Aviation Safety, and from the final project for ATA A233 giving us an optimum measure of aviation safety knowledge. This year's results of 87% pass rate indicates a consistent high standard for our Professional Piloting students. - Exceeded faculty expectations.

4) Demonstrate knowledge of basic business management skills and supervisory techniques:

We used the final exam scores from ATA 134, Principles of Aviation Administration, and from ATA 133, Aviation Law, since that course covers subjects of importance for those involved in aviation administration. Student pass rates were 96% and 87% respectively. These results show that our BSAT Aviation Management majors have a better than satisfactory level of knowledge in this outcome area - Exceeded Faculty Expectations.

5) Demonstrate a broad knowledge of the aviation industry:

We used the final grades from ATA 335 Airport Operations, ATA 337 Airline Operations and ATA 331 Human Factors, since these courses cover a very broad aspect of the modern aviation industry. Students pass rates were 100%, for each of these courses. These results show that our BSAT Aviation Management majors have a better than satisfactory level of knowledge in this outcome area - Exceeded Faculty Expectations.

6) Demonstrate a broad knowledge of aviation management functions and techniques:

We used the final exam score from ATA 337 Airline Operations, ATA 425 Civil Aviation Security, the project from ATA 415 Company Resource Management, and the project from ATA 492 Air Transportation System Seminar, since these courses cover a broad aspect of management functions and techniques within the modern aviation industry. The pass rates for these classes were 100%, 91%, 96% and 88% respectively. These results show that our BSAT Aviation Management majors have a better than satisfactory level of knowledge in this outcome area - Exceeded Faculty Expectations.

2. Describe your assessment process in AY23 for these Program Student Learning Outcomes, including the collection of data, analysis of data, and faculty (and other, e.g., advisory board) conversations around the findings. (1000 words or less)

All faculty members keep their records in Blackboard and provide those to the assessment coordinator. The coordinator is then in charge of compiling the statistics, preparing the report, and sharing the information with the faculty.

3. What are the findings and what do they tell the faculty about student learning in your program? (1000 words or less)

The results for the BSAT assessment indicate that our students are achieving the learning outcomes in this program. The results indicate that the courses are providing a consistent method of disseminating knowledge that are in line with our PLOs. These results also indicate that the faculty should continue with the work that they do.

4. Based on the findings, did the faculty make any recommendations for changes to improve student achievement of the Program Student Learning Outcomes? No

- i. Please describe the recommended action(s), what improvements in student learning the program hopes to see, the proposed timeline, and how the program will know if the change(s) has worked. If no recommendations for changes were made, please explain that decision. (1000 words or less)**

5. In the past academic year, how did your program use the results of previous assessment cycles to make changes intended to improve student achievement of the Program Student Learning Outcomes? Please check all that apply.

- ☐ Course curriculum changes
- ☐ Course prerequisite changes
- ☒ Changes in teaching methods
- ☒ Changes in advising
- ☐ Degree requirement changes
- ☐ Degree course sequencing
- ☐ Course enrollment changes (e.g., course capacity, grading structure [pass/fail, A-F])
- ☐ Changes in program policies/procedures
- ☐ Changes to Program Student Learning Outcomes (PSLOs)
- ☐ College-wide initiatives (e.g., High-Impact Practices)
- ☒ Faculty, staff, student development
- ☐ Other
- ☐ No changes were implemented in AY23. *(If no options above were selected)*

If you checked "Other" above, please describe. (100 words or less)

6. Do you have any information about how well these or other past improvements are working? Are they achieving their intended goals? Please include any data or assessment results that help you demonstrate this. (1000 words or less)

Similar to our Piloting Program, the Dean and Director focused on ensuring that the faculty that were hired in the last few years post pandemic not only had the appropriate qualifications, but were going to be a constant factor in terms of teaching courses. Having a standardized set of faculty teaching these courses in similar formats will provide a more consistent result in terms of achieving the Program Student Learning Outcomes.

DEAN SECTION (Due to the program on January 15)

After completing the Dean Section and signing it, the dean should email this form to the program, and copy uaa_ooo@alaska.edu for posting. If the program is delivered on one or more community campus, the dean should consult with the appropriate community campus director(s) on the response and copy the appropriate community campus director(s) when emailing the response to the program.

1. Based on the program's responses above, what guidance and support do you have for the program moving forward? (200 words or less)

The faculty are still in flux, with a number of term faculty that are staying only a year or two. Currently, we are searching for a tenure track faculty in Piloting, Air Traffic Control, and Aviation Maintenance. Once those faculty are hired, it is my recommendation that those faculty be trained directly on assessment and be placed in that role to reduce strain on the current faculty working on specific projects.

2. Discuss what the program is doing particularly well in terms of its processes for the assessment and improvement of student learning, for example, the use of a common rubric or prompt, a signature assignment, etc. (200 words or less)

The faculty should be commended on the high level of achievement even with the consistent shifting in faculty. As stated, the goal has been to focus on high quality instructors and faculty, and they have achieved that. The faculty should also be commended on the focus of industry needs and training that leads to career success.

Dean's signature:



Date: 2/23/2024