

Assessment Plan

Western Michigan University

Aviation

Mission Statement: The Mission of the College of Aviation is to pioneer instructional and research innovation that integrates national and international standards into programs and services that provide educated, ethical and diverse candidates who are preferred throughout the global aviation industry. The COA Mission essential tasks are:

- 1 To offer quality academic programs which prepare students for a variety of aviation related professions
- 2 To support the aviation industry and governmental agencies through research and service activities.
- 3 To provide service and aviation related education to the University and the community.

Vision Statement: The Vision of the College of Aviation is to establish and maintain state-of-the-art, world class professional aviation programs that are considered among the top programs in the world, based on graduate performance and the desire of the industry to affiliate with the College.

Outcome: Course Level Student Learning Outcome Achievement

Each semester selected courses will be surveyed to determine student achievement of the course learning outcomes as stated in the course syllabus. Student performance in mastering the course objectives will be determined using methods appropriate to the objectives. Each faculty will determine the method best suited to their course and the objectives for that course.

> All students achieve an 80% first time score on student learning outcomes as defined by the course syllabus or the overall objectives of the College.

> All students demonstrate satisfactory performance of all practical objectives for courses which require skill based learning outcomes.

Track: Aircraft Maintenance Technology
 Aviation Flight Science
 Aviation Sciences & Administration

Outcome Status: Active

Means of Assessment			
Assessment Method	Criterion	Schedule	Active
Faculty will determine student achievement of the course outcomes as stated in the syllabus. Assessment Method Category: Course-Embedded Measure	-All students achieve an 80% first time score on student learning outcomes as defined by the course syllabus or the overall objectives of the College.	The survey of student learning outcomes for each course will be conducted at least every other year for each course.	Yes
The senior survey evaluates students perceptions and opinions of the program. It also provides insight about the equipment, facilities, and operation of the College. Assessment Method Category: Survey-Student	Average of all student responses are satisfactory.	The survey is conducted every other year at the end of Spring semester.	Yes
-All students demonstrate satisfactory performance of all practical objectives for courses which require skill based learning outcomes. Assessment Method Category: Course-Embedded Measure	Satisfactory on all practical objectives		Yes

Related Courses

- * AVS 1200 - Introduction to Aviation
- * AVS 3650 - Non-Destructive Tests

Outcome: Senior Student Survey

Satisfactory results are obtained in the overall survey results. Students feel that the program has meet their needs and expectations.

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Means of Assessment			
Assessment Method	Criterion	Schedule	Active
Graduating seniors are surveyed to evaluate their perceptions and opinions of the program as to how well it has prepared them for a career in the desired field. It will also provides insight about the equipment, facilities, and operation of the College. Assessment Method Category: Survey-Student	Overall results indicate student satisfaction with the program in preparing them for their career choice. Satisfaction with material aspects of the program such as training aids, lab equipment, etc is also indicated.	The survey will be conducted during Spring semester in two year intervals.	Yes

Outcome: Alumni Survey

Alumni feel that the program properly prepared them for and assisted them in obtaining the type of employment they sought.

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Means of Assessment			
Assessment Method	Criterion	Schedule	Active
Alumni who have graduated within the previous 1 to 5 years are asked about the relevance of the program to their career, their success in the career field and overall satisfaction of the program. Assessment Method Category: Survey-Alumni	Overall results indicate alumni satisfaction with the program and relevance to the industry.	Survey is administered on an ongoing basis. Results are compiled every two years.	No

Outcome: Advisory Board Curriculum Review

The Advisory Board feels that the content of each program is relevant to the industry and will prepare students for careers in aviation

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Means of Assessment			
Assessment Method	Criterion	Schedule	Active
Industry advisory board review of the programs Assessment Method Category: External Boards, Advisory or Focus Groups	Board feels that the programs content is relevant to the industry and does not lack necessary or core content.	Five year intervals for entire program. Consultation as necessary for specific curriculum issues or questions.	Yes

Outcome: Licensure Examinations Performance

WMU students will score at or above the national average on FAA written examinations for federal licensure. The private pilot, instrument rating, and commercial pilot written examinations are compared for the students in the Flight Science program and the aircraft maintenance technician powerplant, airframe, and general written examinations are compared for students in the Aviation Maintenance Technology program.

Track: Aircraft Maintenance Technology
 Aviation Flight Science

Outcome Status: Active

Means of Assessment			
Assessment Method	Criterion	Schedule	Active

Means of Assessment

Assessment Method	Criterion	Schedule	Active
Compare WMU student scores on FAA written examinations with national scores Assessment Method Category: Exam-Licensure	WMU students will score at or above the national averages.	Two year intervals	Yes