



Central Washington University

Degree Program Student Learning Outcome Assessment Plan

Department: Aviation

Program: BS- Professional Pilot: Flight Officer (FO) and Commercial Pilot (CP) Specializations

Student Learning Outcome (performance, knowledge, attitudes)	Related CWU Strategic Outcome(s) http://www.cwu.edu/strategic-planning/	Method(s) of Assessment (What is the assessment?)*	Who Assessed (Students from what courses - population)**	When Assessed (term, dates)***	Standard of Mastery/Criterion of Achievement (How good does performance have to be?)
1. Apply the foundational knowledge and skills necessary to fly commercial transport aircraft in a safe and efficient manner.	1.1.1 Students will achieve programmatic learning outcomes.	Private, Instrument, and Commercial End-of-Course assessments (EOC)* Certified Flight Instructor and Multi-Engine End-of-Course assessments Certified Flight Instructor, Instrument End-of-Course assessments Program entry and exit surveys to assess self-perceived skills related to Crew Resource Management (CRM)**	Students enrolled in: AVP 103 & AVP 142 (FO, CP) AVP 203 & AV P242 (FO, CP) AVP 306 & AVP 354 (FO, CP) AVP 301, AVP 352, AVP 358, & AVP 401 (FO) AVP 458 & AVP 475 (FO) AVP 130 (FO, CP) Sr. Exit survey (FO,CP)	Fall, Winter, Spring and Summer terms	Minimum 80% of freshmen and 90% of upper classmen enrolled in EOC courses pass associated EOC ground and flight checks and FAA written exams on the first attempt with a minimum score of 80%. Minimum 90% of students enrolled EOC flight labs pass flight checks on first attempt
2. Interpret, calculate, and analyze meteorological, aerodynamic, performance, and loading factors to conduct safe and efficient commercial flights.	1.1.1 Students will achieve programmatic learning outcomes.	Private, Instrument, and Commercial End-of-Course assessments	Students enrolled in: AVP 211, AVP 312, & AVP 354 (FO, CP)	Fall, Winter, Spring and Summer terms	Minimum 80% of freshmen and 90% of upper classmen enrolled in EOC courses pass associated EOC flight check and FAA written exams on the first attempt with a minimum score of 80%. Minimum 90% of students enrolled EOC

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					flight labs pass flight checks on first attempt
3. Demonstrate knowledge and skills to effectively operate aircraft airframe, power plant, navigation, and communication systems in a multi-crew environment, including Crew Resource Management (CRM*)	1.1.1 Students will achieve programmatic learning outcomes.	Commercial End-of-Course assessments Final Exam Line Oriented Flight Training (LOFT) 1 and 2	Students enrolled in: AVP354 (FO, CP) AVP 322 (FO, CP) AVP 323 (FO) AVP 422 (FO,) AVP 489 capstone class (FO)	Fall, Winter, Spring and Summer terms	Minimum 90% of students enrolled in EOC course pass associated EOC flight check and FAA written exams on the first attempt with a minimum score of 80%. Minimum 90% of students will pass final exam with minimum score of 80% All students shall demonstrate proficiency, in accordance with FAA instrument and multi-engine Practical Test Standards, in Crew Resource Management, normal and emergency procedures, instrument flight procedures, and use of advanced avionics
4. Describe the physiological and psychological limitations to flight crew performance and effectively cope with these limitations in the flight environment.	1.1.1 Students will achieve programmatic learning outcomes.	Final Exam Presentations, Oral and Written Final Exams Commercial end-of-course assessment	Students enrolled in: AVP 337 (FO, CP) AVP 340 (FO) AVP 306 (FO, CP)	Fall, Winter, Spring and Summer terms	Minimum 90% of students will pass final exam with minimum score of 80% Minimum 90% of students will pass final exam with minimum score of 80% Minimum 90 % of students enrolled EOC flight lab pass flight check on first attempt
5. Demonstrate a working knowledge of various aviation industries to include airspace system management, airline operations, and aviation support facilities.	1.1.1 Students will achieve programmatic learning outcomes.	Final exam Group Presentations	Students enrolled in: AVP 348 (FO) AVP 333 (FO)	Fall, Winter, Spring and Summer terms	A minimum of 90% of students shall pass the final exam with a score of 80% or higher. All group presentation cumulative evaluation scores (based on both classmates and team mate evaluations) will equal or exceed 90% of maximum possible points

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6. Exhibit the verbal and written communication skills needed to interact with aviation professionals, business, and management.	1.1.1 Students will achieve programmatic learning outcomes.	Term Paper Current Event presentations	Students enrolled in: LT 232 (FO, CP) AVP 333 (FO) AVP 417 (FO, CP)	Fall, Winter, Spring and Summer terms	A minimum of 90% of students will have 15 or less grammar/spelling errors and a minimum paper score of 80% A minimum of 90% of students will score 80% or higher on verbal presentations

*Method(s) of assessment should include those that are both direct (tests, essays, presentations, projects) and indirect (surveys, interviews) in nature.

**Data needs to be collected and differentiated by location (Ellensburg campus vs University Centers) and modality (e.g. online, face-to-face, hybrid)

***Timing of assessment should ideally be at different transition points of program (i.e., admission, mid-point, end-of-program, post-program)

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*End of Course assessments (EOCs) may consist of oral, written, and practical exams in actually or simulated flight as specified by FAA and course requirements.

**CRM skills include conflict resolution, leadership/followership, pilot-in-command responsibilities, workload management, attention management, and task management

Assessment Cycle

Analysis and Interpretation: December

Improvement Actions: Completed by June

Dissemination: Completed by June

Year	15-16	16-17	17-18	18-19	19-20	20-21
SLOs						
1	x	x	x	x	x	x
2	x	x	x	x	x	x
3	x	x	x	x	x	x
4	x	x	x	x	x	x
5	x	x	x	x	x	x
6	x	x	x	x	x	x

Assessment Oversight

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