

CWU Student Learning Outcome Assessment Plan

Department of Aviation

Students enrolled in the following specializations: Flight Officer (FO), Aircraft Systems Management (ASM), and Commercial Pilot (CP)

<b>Student Learning Outcomes</b>	<b>Related Program/ Departmental Goals</b>	<b>Related College Goals</b>	<b>Related University Goals</b>	<b>Method(s) of Assessment</b>	<b>Who Assessed</b>	<b>When Assessed</b>	<b>Standard of Mastery/ Criterion of Achievement</b>
1. Apply the foundational knowledge and skills necessary to fly commercial transport aircraft in a safe and efficient manner.	1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation.	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:  FLT103 & FLT142 (FO, ASM, CP)  FLT203 & FLT242 (FO, ASM, CP)  FLT306 & FLT354 (FO, ASM, CP)  FLT301, FLT352, FLT358, & FLT401 (FO & ASM)  FLT458 & FLT475F (ASM)  FLT 130 (FO, ASM, CP)  Sr. Exit survey (FO, ASM, 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	1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual	Private, Instrument, and Commercial End-of-Course assessments	Students enrolled in:  FLT 211,FLT312, &FLT354 (FO, ASM, 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

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flights.	professionals for leadership positions in the aviation industry		respect, and cooperation.				enrolled EOC 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. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	2 –Prepare students to participate in an increasingly diverse economy and global work environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation.	Commercial End-of-Course assessments  Final Exam  Line Oriented Flight Training (LOFT) 1 and 2	Students enrolled in:  FLT354 (FO, ASM, CP)  FLT 322 (FO, ASM, CP)  FLT323 (FO)  FLT422 (FO, ASM)  FLT489 capstone class (FO, ASM)	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. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and	Final Exam  Presentations, Oral and Written Final Exams  Commercial end-of-course assessment	Students enrolled in:  FLT337 (FO, CP)  FLT340 (FO)  FLT306 (FO, ASM,	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

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	positions in the aviation industry		cooperation.		CP)		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. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation.	Final exam  Group Presentations	Students enrolled in:  FLT348 (FO, ASM)  FLT333 (FO, ASM)	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
6. Exhibit the verbal and written communication skills needed to interact with aviation professionals, business, and management.	1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation.	Term Paper  Current Event presentations	Students enrolled in:  LT232 (FO, CP)  FLT333 (FO, ASM) FLT417 (FO, CP, ASM)	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

\*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