

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)

| Student Learning Outcomes | Related Program/ Departmental Goals | Related College Goals | Related University Goals | Method(s) of Assessment | Who Assessed | When Assessed | Standard of Mastery/ Criterion of Achievement |
|--|---|--|---|---|---|--|---|
| <p>1. Apply the foundational knowledge and skills necessary to fly commercial transport aircraft in a safe and efficient manner.</p> | <p>1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry</p> | <p>2 –Prepare students to participate in an increasingly diverse economy and environment</p> | <p>6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation.</p> | <p>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)**</p> | <p>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)</p> | <p>Fall, Winter, Spring and Summer terms</p> | <p>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%.</p> <p>Minimum 90% of students enrolled EOC flight labs pass flight checks on first attempt</p> |
| <p>2. Interpret, calculate, and analyze meteorological, aerodynamic, performance, and loading factors to conduct safe and efficient commercial</p> | <p>1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent</p> | <p>2 –Prepare students to participate in an increasingly diverse economy and environment</p> | <p>6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual</p> | <p>Private, Instrument, and Commercial End-of-Course assessments</p> | <p>Students enrolled in: FLT 211,FLT312, &FLT354 (FO, ASM, CP)</p> | <p>Fall, Winter, Spring and Summer terms</p> | <p>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%.</p> <p>Minimum 90% of students</p> |

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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