

**Course Code:** AVI 222

**Course Title:** Flight Instructor Instrument

**Department:** Aviation

**Effective Date:** Summer 2026

**PCS Code:** 1.1 - Baccalaureate/Transfer

**CIP Code:** 14.0101

**Repeatability:** 0

---

## Credit Hours

**Catalog Notation:** 1-1-1

**Credit Hour Distribution:**

Lecture: 1

Lab: 1

Clinical: 0

**Total: 1**

---

## General Course Information

### Catalog Description

Add Instrument Airplane rating to FAA Flight Instructor certificate. Fundamentals of instruction, instrument procedures, and regulations. Includes 15 hours flight and simulator training.

### General Course Objectives

Develop the knowledge and proficiency required to add an Instrument Airplane rating to a Flight Instructor certificate.

### Minimum Placement Levels

**English**

None

**Reading**

None

**Math**

None

### Prerequisites

FAA Commercial Pilot Certificate with Airplane Single Engine Land and Instrument Airplane Ratings

FAA Flight Instructor Certificate with Airplane Single Engine Rating

### Methods of Evaluation

Evaluation will consist of quizzes, exams, oral questioning, and observation of flight performance.

### Instructional Materials and Additional Supplies

Instrument Procedures Handbook, FAA. Current version including changes.

Instrument Flying Handbook, FAA. Current version including changes.

Federal Aviation Regulations and Aeronautical Information Manual (FAR/AIM), FAA. Current version.

Flight Instructor Instrument FAA Knowledge Test preparation course, Various vendors.

Cost of aircraft use is covered by course fees.

## Course Content

### General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

### Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Flight Lesson 1: Ground Training	1. Receive ground training in all Flight Instructor Instrument PTS tasks pertaining to single engine airplanes. 2. Prepare for the oral portion of the end-of-course test.	15	0	0
Flight Lesson 2: AATD Training	1. Receive training in the Advanced Aviation Training Device (AATD) to supplement flight training in lessons 3 through 11. 2. Operate the AATD from the right seat if possible.	0	0.7	0
Flight Lesson 3: Building Flight Proficiency	1. Gain proficiency in flight by reference to instruments from the right seat for tasks including basic instrument maneuvers and IFR navigation.	0	1.4	0
Flight Lesson 4: Building Flight Proficiency	1. Gain proficiency in flight by reference to instruments from the right seat for tasks including holding, procedure turn, DME arc, missed approach, and loss of primary flight instrument indicators.	0	1.4	0
Flight Lesson 5: Building Flight Proficiency	1. Gain proficiency in flight by reference to instruments from the right seat for tasks including holding at a FAF, localizer back-course, precision instrument approach, and approach with loss of primary flight instrument indicators.	0	1.4	0
Flight Lesson 6: Building Flight Proficiency	1. Gain proficiency in flight by reference to instruments from the right seat for tasks including localizer and RNAV instrument approach, managing IFR emergencies, and approach with loss of primary flight instrument indicators.	0	1.4	0
Flight Lesson 7: Review and IFR Cross-Country	1. Demonstrate proficiency in flight by reference to instruments from the right seat for review tasks from lessons 3 through 6. 2. Complete an optional IFR cross-country flight at the instructor's discretion.	0	1.8	0
Flight Lesson 8: Demonstration and Analysis	1. Exhibit instructional knowledge and be able to demonstrate while explaining various tasks, including basic instrument maneuvers, holding, non-precision instrument approach, and missed approach.	0	1.5	0
Flight Lesson 9: Analysis and Critique	1. Exhibit instructional knowledge and be able to demonstrate while explaining and critiquing various tasks, including instrument approach with vertical guidance and localizer and RNAV approach.	0	1.5	0
Flight Lesson 10: Analysis and Critique	1. Exhibit instructional knowledge and be able to demonstrate while explaining and critiquing review tasks from lessons 1 through 9.	0	1.5	0
Flight Lesson 11: Review and Optional Practice End-of-Course Test	1. Exhibit instructional knowledge and be able to demonstrate while explaining and critiquing tasks selected by the instructor. 2. Complete an optional practice end-of-course test at the instructor's discretion.	0	1.2	0
Flight Lesson 12: End-of-Course Test	1. Demonstrate instructional knowledge by successfully completing the Flight Instructor Instrument end-of-course test.	0	1.2	0

#### Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	15	0