

Course number and Title

AVSC 2073 Instrument Pilot Preparation

Catalog Description

Preparation for FAA Instrument Pilot written examination. Navigation, approach charts, regulations pertinent to instrument flight planning, communications, departure, en route, and approach procedures will be stressed.

Prerequisite

AVSC 2052, Co-requisite AVSC 2083.

Credit hours/ Contact hours/ Load hours

3/3/3

Target Audience & Transferability

Course is designed for students who already possess a Private Pilot's license and are pursuing an Associate's Degree in aviation as a professional pilot. Course will transfer to other accredited four year institutions which offer a Bachelor's in Aviation Science with a Professional Pilot option.

Common Objectives/ Student Outcomes

Students completing this course will be able to:

1. Demonstrate a basic knowledge of commercial pilot operations in a single engine aircraft.
2. Understand the basic principles of instrument flight, weather factors, navigation, FAA Regulations, aircraft systems, and flight planning.
3. Make critical decisions based on a knowledge of human factors, the aircraft to be flown, and the reasoning for the intended flight.
4. Successfully complete ground school testing in preparation for the Instrument Pilot FAA checkride.

Required Text(s)

Instrument Commercial Manual, Jeppesen Sanderson, Inc., 1998

Optional Text(s)

Topics

- I. Instrument departure and enroute charts and procedures (Part II, Chapters 4 & 5).
- II. Arrival & approach charts and procedures (Part II, Chapters 5 & 6).
- III. Precision, non-precision, and special navigational approaches (Part II, Chapter 8).

Required Methods of Instruction

Attendance and participation in class is highly stressed. Role playing in decision-making will be the routine.

Required Forms of Assessment

Assessment will be by means of a series of multiple choice exams, leading to the final exam to be passed prior to recommendation for the FAA Instrument Pilot check-ride. Class participation and attendance will also be part of the final grade.

Resources

The NWACC Library, Drake Aviation Academy, and the NWACC Aviation Department Resource center are all available to students.