

Course number and Title

AVSC 2083 Instrument Pilot Lab

Catalog Description

Preparation for FAA Instrument Rating practical examination.

Prerequisite

AVSC 2052, Co-requisite 2073

Credit hours/ Contact hours/ Load hours

3/3/3

Target Audience & Transferability

Course is designed for students who are working towards an Instrument Pilot's license and are pursuing an Associate's Degree in Aviation as a professional pilot. Course will transfer to Henderson State College and 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 knowledge of instrument 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. Perform flight maneuvers in actual or simulated instrument meteorological conditions in a safe, consistent manner to include local and cross-country flights in dual or solo operations.
5. Be prepared for and approved by the instructor for the Instrument Pilot check-ride.

Required Text

Instrument Commercial Manual, Jeppesen Sanderson, Inc., 1998

### Optional Text(s)

#### Topics

Performance areas include pre-flight planning, pre-flight examination of the aircraft, local and cross-country flight, basic air maneuvers, and emergency procedures.

#### Required Methods of Instruction

Student will be responsible to work with flight instructors to arrange training flights on a regular basis (at least twice per week). Student must attend all scheduled flight training periods, unless prior contact is made with the instructor and an excused absence is granted. Student will be responsible for travel to the airport for the flights. Student will normally fly with a primary instructor, but may be scheduled with others as the need develops.

#### Required Forms of Assessment

Student will be evaluated on a regular basis through feed-back from instructors, phase check-rides performed by other flight instructors, and the final check-ride from the chief instructor prior to the FAA check-ride.

#### Resources

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