

Course number and Title

AVSC 1022 Aeronautics Lab

Catalog Description

Flight instruction to prepare the student pilot for the FAA Private Pilot Practical Examination. Includes pre-flight check of the aircraft, taxiing, takeoffs and landings and basic flight maneuvers. Emphasis on Safety and good decision making. Course is taught off-campus by Drake Aviation Academy. FAA class two medical exam required prior to flight.

Prerequisite

Co-requisite-AVSC 1003

Credit hours/ Contact hours/ Load hours

2/2/2

Target Audience & Transferability

Course is designed for students who are working towards a Private Pilot's license and are pursuing an Associate's Degree in Aviation as a professional pilot.

Common Objectives/ Student Outcomes

Students completing this course will be able to:

1. Demonstrate a knowledge of private pilot operations in a single engine aircraft.
2. Understand the basic principles of 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 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 Private Pilot check-ride.

Required Text(s):

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.