

Master Syllabus

AVT 1124 - Private Pilot Flight Lab - Airplane Single Engine

Division: Science, Mathematics and Engineering

Department: Aviation Technology

Credit Hour Total: 1.0

Lab Hrs: 3.0

Prerequisite(s): AVT 1110

Other Prerequisite(s): AND Approval of Department

Date Revised: January 2016

Course Description:

Prepares students with the knowledge necessary to successfully obtain the aeronautical knowledge, skill and experience necessary to meet the requirements for a Federal Aviation Administration (FAA) Private Pilot Certificate with an Airplane Category and Single Engine Land Class Rating. Topics include familiarization with the training aircraft, flight maneuvers, maximum performance takeoff and landing procedures, attitude control by instrument reference, solo flight, night flying, cross country operations and navigation procedures. Contact the Department for the current lab fee. Three lab hours per week.

General Education Outcomes:

- ▣ Critical Thinking/Problem Solving Competency
- ▣ Values/Citizenship/Community Competency

Course Outcomes:

Cross Country Flight Procedures

Plan and conduct day and night cross country flights using pilotage, dead reckoning, and radio navigation.

Assessment Method: Behavioral observations
Performance Criteria:

Mastery of competency at 100%

Assessment Method: Locally developed exams
Performance Criteria:

70% correct response on exam

Takeoff and Landing Procedures

Demonstrate maximum performance takeoff and landing procedures.

Assessment Method: Behavioral observations
Performance Criteria:

Mastery of competency at 100%

Assessment Method: Locally developed exams
Performance Criteria:

70% correct response on exam

Basic Flight Maneuvers

Demonstrate basic flight maneuvers and the ability to maintain specific flight attitudes and ground tracks associated with an aircraft in the flight environment.

Assessment Method: Behavioral observations
Performance Criteria:

Mastery of competency at 100%

Assessment Method: Locally developed exams
Performance Criteria:

70% correct response on exam

Outline:

Pilot training
Flight maneuvers
Maximum performance takeoff and landing procedures
Attitude control by instrument reference
Solo flight
Night flying
Cross country operations
Navigation procedures