

## 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

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#### 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