

## Master Syllabus

### AVT 1224 - Instrument 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 AND AVT 1124

**Other Prerequisite(s):** AND Approval of Department

**Date Revised:** January 2016

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#### Course Description:

Prepares students with the skill and experience necessary to meet the requirements for a Federal Aviation Administration (FAA) Instrument Pilot Certificate. Topics include attitude instrument flying, instrument navigation, holding patterns, instrument approaches and instrument cross-country flight including instrument flight rules en-route 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:

##### Holding Patterns and Instrument Approaches

Demonstrate accuracy and proficiency in holding patterns and instrument approach procedures including both precision and non-precision approaches.

**Assessment Method:** Behavioral observations  
**Performance Criteria:**

Mastery of competency at 100%

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher correct response on exam

##### Attitude Instrument Flight

Demonstrate precise airplane attitude control by flight instrument reference only including full and partial panel reference.

**Assessment Method:** Behavioral observations  
**Performance Criteria:**

Mastery of competency at 100%

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher correct response on exam

##### Instrument Cross Country Procedures

Demonstrate accuracy and proficiency in instrument cross country flying including departure, enroute and arrival procedures.

**Assessment Method:** Behavioral observations  
**Performance Criteria:**

Mastery of competency at 100%

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher correct response on exam

#### Outline:

Attitude instrument flying Instrument navigation Holding patterns Instrument approaches Instrument cross country flight Enroute procedures