

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

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