Sinclair Community College
444 E. Third St.
Dayton, OH 45402

Master Syllabus

AVT 1224 - Instrument Pilot Flight Lab

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): Approval of Department

Date Revised: February 2014

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.

General Education Outcomes:

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

Course Outcomes:

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

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

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