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

Master Syllabus

AVT 2250 - Commercial Pilot Ground

Division: Science, Mathematics and Engineering

Department: Aviation Technology

Credit Hour Total: 2.0 **Lecture Hrs:** 2.0

Prerequisite(s): AVT 1110 AND AVT 1170

Other Prerequisite(s): AND Other FAA Exam

Date Revised: May 2016

Course Description:

Prepares students with the aeronautical knowledge, skill and experience necessary to meet the requirements for a Federal Aviation Administration (FAA) Commercial Pilot Certificate with an Airplane Category and Single Engine Land Class Rating. Topics include federal aviation regulations applicable to commercial pilot operations, airspace, flight information, meteorology, aeronautical decision making, Visual Flight Rules (VFR) cross-country flight planning and navigation. Both fixed -wing and helicopter sections are offered.

General Education Outcomes:

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

Course Outcomes:

Flight Information
Comprehend and apply airport environment, airspace and flight information including collision avoidance and runway incursion avoidance as it applies to commercial pilot operations.

Assessment Method: Locally developed exams
Performance Criteria: (FAA) 70% or higher correct responses on exams

Meteorology
Comprehend and apply weather patterns and hazards related to flight operations, the information contained in printed weather reports and forecasts and graphic weather products, as well as sources of weather information as it applies to commercial pilot cross country operations.

Assessment Method: Locally developed exams
Performance Criteria: (FAA) 70% or higher correct responses on exams

Federal Aviation Regulations
Demonstrate and apply the federal aviation regulations as they pertain to commercial pilot operations.

Assessment Method: Locally developed exams
Performance Criteria: (FAA) 70% or higher correct responses on exams

Outline:

Federal aviation regulationsAirspaceFlight informationMeteorologyVisual Flight Rules (VFR) cross country flight planningAeronautical decision making