

## 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

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### 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 Competency
- Values/Citizenship/Community Competency

### 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 regulations Airspace Flight information Meteorology Visual Flight Rules (VFR) cross country flight planning Aeronautical decision making