

**Southeastern University**  
**Jannetides College of Business, Communication, and Leadership**  
**Department of Aviation**  
**AVIP 3013 Commercial Pilot Ground School**  
**Official Syllabus**

**Catalog Description**

This course provides instruction in preparation for initial flight training and the Federal Aviation Administration's (FAA) Commercial Pilot Airplane Knowledge Test. Topics include the advanced aerodynamics, complex airplane systems, and instruments, weight and balance for heavier aircraft, complex aircraft performance. Includes advanced meteorology, flight physiology for high altitude flight, advanced navigation techniques, radio navigation and communication, airspace systems, and FAA Regulations for commercial flight. Credit may be granted for passing the FAA Commercial Pilot Airplane Knowledge Test with a mandatory minimum passing score of 70%. The course should be taken concurrently with flight lessons or AVIP 3023.

Prerequisite: None

Credit Hours: 3

Repeatable: Course not repeatable

**Intended Learning Outcomes**

Students who successfully complete this course will:

1. Demonstrate sufficient knowledge to pass the FAA Commercial Pilot Airplane knowledge test with 70% or higher.
2. Demonstrate knowledge appropriate for a commercial pilot in aerodynamics, aircraft systems, advanced performance, and weight & balance.
3. Demonstrate knowledge appropriate for a commercial pilot in communication, navigation and flight physiology.
4. Demonstrate knowledge appropriate for a commercial pilot operating in airspace, air traffic control procedures, and FAA regulations.
5. Demonstrate knowledge appropriate for commercial transportation of persons, cargo, and hazardous materials according to Federal Regulations.
6. Demonstrate scheduling awareness regarding aircraft flight time and training.

**Version History**

###/###/##### v1.0 Original course approval. Course added as an elective to the BS BPL and as part of a new AS and BS degree.