

MEHS: Aviation Ground School

Course Syllabus

Name: _____

Instructor: Jack Davis
Nov. 13, 2023 and ends May 8, 2024

This course is designed to provide students with all content in preparation for taking the FAA Private Pilot Knowledge Test. This course has a dual credit option through University of Alaska Southeast.

Course Length: Trimesters 2 and 3

Course Prerequisite: Algebra 2 or currently enrolled.

Course Objectives:

- Pass the Private Pilot Fixed Wing Ground School Written Exam
- Complete 10 hours of Flight Simulator time and log the time in individual pilot logbooks/trimester.

Course Topics, completed in this order:

1. Aerodynamics	4. Airspace & Weather Minimums	7. Flight Operations	10. Cross Country Flight Planning
2. Flight Instrumentation	5. Communication & Radar Services	8. Weather	11. Aircraft Performance
3. Sectional Charts	6. Radio Navigation	9. Federal Aviation Regulations	12. Weight & Balance

Resources:

King Schools Private Pilot Written Exam Video Course
FAR/AIM (Federal Aviation Regulations & Aeronautical Information Manual)
Aeronautical Charts & VFR Sectionals
E-6B Flight Computer
Aeronautical Navigation Plotter
(AFD) Airport Facility Directory
Microsoft Flight Simulator 2020 Deluxe Premium ed.
Aviation Guest Speakers & field trips

Grading System:

- Practice Tests: 15%
- Flight Simulator time, Guest speakers, field trips, and Video facts 35%
- Unit Tests: 50%

Culminating Activity:

Take the Private Pilot Knowledge Written Test in Anchorage at an FAA proctoring facility.