

AV 222H : COMMERCIAL MULTI ENGINE PILOT AIRPLANE FLIGHT LAB

Transcript title

Comm/Multi Engine Airp Flt Lab

Credits

1

Grading mode

Standard letter grades

Total contact hours

32

Lab hours

32

Prerequisites with concurrency

AV 110, AV 222A, AV 222B, AV 222C (or Private Pilot Certificate), AV 210, AV 222D, AV 222E (or Instrument Certificate), AV 220, AV 222F, AV 222G (or Commercial Pilot Certificate), AV 250, AV 222I, AV 222J (or Certified Flight Instructor/Instrument Instructor Pilot Certificates) and instructor approval based on proof of valid Second Class (or higher) Medical Certificate.

Course Description

Introduces fundamentals of multi-engine flight. Emphasizes engine failure, multi-engine aerodynamics, minimum controllable airspeed, propeller feathering, V-speeds, and flight planning, decision-making, human factors, and crew resource management. Includes compliance with Federal Aviation Administration flight hour and certification requirements.

Course learning outcomes

1. Perform multi-engine commercial pilot flight maneuvers as defined by the Federal Aviation Administration Airplane Airman Certification Standards to a multi-engine commercial pilot standard.
2. Summarize the Federal Aviation Administration Airplane Airman Certification Standards.
3. Apply aeronautical decision-making skills (risk management, situational awareness, and single pilot resource management) to real-time flight scenarios.

Content outline

1. Flight maneuvers
2. Systems operation
3. Communications
4. Performance and limitations
5. Regulations

Please see the entrance requirements in the program catalog page for associated course costs.

Required materials

1. Aviators headset
2. Navigation kit
3. Federal Aviation Regulations and Aeronautical Information Manual
4. Federal Aviation Administration Multi Engine Commercial Pilot Airplane Airman Certification Standards