AVG 190 - AVIATION WEATHER

Course Description

This course offers thorough coverage in the application and analysis of meteorological charts and how they pertain to aviation. It emphasizes the need for advanced knowledge on how NWS/NOAA charts are derived and how to understand their use in aviation today. Additional emphasis will be placed on predominant weather patterns, associated weather and planning flights to avoid severe weather. A basic understanding in the theory of meteorology is desired. Group 2 course.

Credit Hours

3

Contact Hours

3

Lecture Hours

3

Recommended Prerequisites or Skills Competencies

AVG 101

Course Learning Outcomes

Knowledge:

- Describe key elements of meteorological principles.
- State how different weather patterns and systems may present various hazards to aviation.

Application:

- Demonstrate aviation competences to real world situations in a safe and effective manner.
- Apply weather knowledge to safely make go-no-go decisions.

Integration:

- Relate knowledge elements directly to future real world training flights.

Human Dimension:

- Evaluate their method of aeronautical decision making to effectively and safely make go no-go decisions based on various weather factors.

Caring - Civic Learning:

- Recognize how their decisions and actions impact public perception of the aviation industry.

Learning How to Learn:

- Identify what methods of training will help them learn best.
- Use numerous resources to maintain accurate and current knowledge of aviation weather sources.