



COMPUTER TRAINING SYSTEMS

Your Co-Pilot in Aviation Training

INDIVIDUAL COURSES TRAINING SERIES

Aviation Weather Theory



FIXED/ROTOR WING



IPAD COMPATIBLE



APPROX 4.0 HRS

Aviation Weather Theory is centered around different types of weather, classifying weather conditions and also how to utilize aviation weather services. Identification of these weather conditions can help reduce the amount of weather-related aircraft accidents and prepare pilots for the ever-changing weather elements.

For Part 135, Part 125, and Part 91 pilot training, our aviation weather theory course provides a foundation of knowledge and understanding for flight crews, dispatchers, and schedulers to assess weather conditions that may affect or be hazardous to flight. This course can be used to meet initial and recurrent training and testing requirements.

TUTORIALS

Basic Weather Principles

1. The Atmosphere
2. Pressure and Altimetry
3. Moisture
4. Wind
5. Air Masses and Fronts
6. Clouds

Adverse Weather Phenomena

1. Adverse Wind
2. Turbulence
3. Icing
4. Obstructions to Visibility
5. Powerful Storm Systems

Recognizing and Avoiding Advers Weather

1. Preflight Planning
2. Inflight Weather Avoidance Resources
3. Weather Avoidance Strategies

LESSONS

▶ Comprehensive examination covers subject matter from all lessons

Aviation Weather Theory

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| 1. Basic Weather Principles | 4. Adverse Winds and Turbulence | 7. Preflight Planning and Weather Resources |
| 2. Winds, Air Masses, and Fronts | 5. Icing and Visibility Obstructions | 8. Adverse Weather Avoidance |
| 3. Clouds and Fog | 6. Storm Systems | |