

AV 208 : METEOROLOGY II

Transcript title

Meteorology II

Credits

4

Grading mode

Standard letter grades

Total contact hours

40

Lecture hours

40

Recommended preparation

AV 108 or instructor approval.

Course Description

Focuses on application of meteorology theory and the availability, understanding and use of weather products. Emphasis is placed on maximizing aircraft performance and minimizing exposure to weather hazards. Includes examining the weather forecasting models, detailed use and interpretation of graphic weather products, access to telephone and internet weather briefing sites, and utilization of weather products.

Course learning outcomes

1. Interpret and apply weather reports and forecasts to IFR and commercial flight planning.
2. Demonstrate a basic working knowledge of the aviation weather forecasting process, including the role of Flight Service Stations (FSS) and FSS pilot-briefers.
3. Apply computer-based self-briefing procedures to IFR and commercial flight planning using real-time data obtained through DUATS and other online resources.
4. Construct graphic weather products to gain a better understand of the process involved in product generation.
5. Comprehend aviation weather reporting and forecasting products for flight planning.

Content outline

- Thunderstorms
- Local Winds
- Windshear
- Turbulence
- Icing
- Instrument Meteorological Conditions
- Weather Hazards
- Weather Resources
- Evaluation for Flight

Required materials

Requires textbook and/or online learning materials.