

**King Schools Online  
Internet Learning Programs**

# **HIGH-ALTITUDE WEATHER**

**Flight Crew Certification Course**

## **SYLLABUS**

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# **HIGH-ALTITUDE WEATHER**

## **INTRODUCTION**

The King Schools Online High-Altitude Weather course helps you meet the initial and transition pilot training requirements for weather, FAR §135.345(a)(3); and recurrent training, §135.351. The relevant Part 91K regulation is §91.1065 for initial and recurrent training. This course:

- Includes instruction in high-altitude weather
- Includes instruction in high-altitude weather charts
- Includes using on-board weather radar
- May be used for both initial and recurrent training in Part 91 or Part 135 operations
- Is offered only through individual internet study
- Is efficient and practical

## **COURSE ELEMENTS AND STRUCTURE**

The King Schools Online High Altitude-Weather Course contains seven major subject areas (Lessons). Following each Lesson's study materials, the pilot sees a quiz containing multiple-choice and/or True/False questions. There are approximately 30 questions in the course. Most pilots will require at least an hour to complete this course.

## **COMPLETION STANDARDS**

Pilots complete the course when all five Lessons checked off with a completion date on the course main menu. Lesson completion requires accessing each lesson page of study materials and correctly answering all questions in the quiz associated with that lesson.

## **CERTIFICATE OF COMPLETION**

A Completion Certificate individualized for the pilot enrolled in the Course may be accessed at the "Print Your Course Complete Materials and Endorsement" icon/link on the main menu only after the entire course has been completed. Pilots clicking the "Print Your Course Complete Materials and Endorsement" icon/link before the Course has been completed receive a message saying that the certificate will be available after the entire course is completed.

## **ENROLLMENT PROCEDURES**

A pilot may individually order and enroll in the King Schools Online High-Altitude Weather course or flight departments may order multiple courses receiving a “key” for each course ordered. The flight department then assigns a key to each pilot requiring High-Altitude Weather training. Each pilot registers individually at <https://ilearn.kingschools.com> for the course(s) assigned.

## **COURSE STUDY**

The pilot first enrolls in the course, and then logs in to access the course. If the pilot has insufficient time to complete the course in one session, the pilot may log out. The program records all Lesson completions and every question answered. When returning to the course, the pilot may resume at the last point of progress.

## **COURSE OUTLINE**

# **LAB 1**

## **Understanding High-Altitude Weather**

| <b>Lesson<br/>Number</b> | <b>Lesson Title</b>   |
|--------------------------|---|
| <b>1</b>                 | <b>Warm Temperatures Aloft Are Bad News</b>                     |
| <b>2</b>                 | <b>Jet Streams</b>  |
| <b>3</b>                 | <b>The U.S. High-Level Significant Weather Prognostic Chart</b> |

# LAB 2

## Avoiding High-Altitude Weather Hazards

| <b>Lesson Number</b> | <b>Lesson Title</b>                                       |
|----------------------|---|
| <b>1</b>             | <b>Practical Tips for Jet Stream Turbulence Avoidance</b> |
| <b>2</b>             | <b>Techniques for Thunderstorm Avoidance</b>              |
| <b>3</b>             | <b>Coping With Icing Conditions</b>                       |
| <b>4</b>             | <b>Mountain Waves</b>                                     |