King Schools Online
Internet Learning Programs

Part 135 Recurrency (B)

Pilot Training Course

SYLLABUS

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Part 135 Recurrency (B)

Pilot Training Syllabus

INTRODUCTION
The King Schools Online Part 135 Pilot Recurrency Training Course meets the general pilot training requirements established by the FAA in 14 CFR Part 135.345 for pilot qualification. This course:

- Provides an overview of general knowledge required for Part 135 operations
- Covers requirements for pilot qualifications in Part 135 operations
- Provides required pilot general academic training required by Part 135.329
- Provides testing of subjects covered as required by Part 135.293
- Must be used in conjunction with company- and equipment-specific pilot training
- Is specifically designed for recurrent training
- Is offered only through individual Internet study
- Is efficient and practical

COURSE ELEMENTS AND STRUCTURE
The King Schools Online Part 135 Recurrency Pilot Qualification Course contains nine major subject areas (Labs) with two or more distinct Lessons per Lab. Following each Lesson's study materials, the pilot sees a quiz containing multiple-choice and/or True/False questions. There are approximately 140 questions in the course. Most pilots will require at least 16 hours to complete this course for recurrent training.

COMPLETION STANDARDS
Pilots complete the course when all the Labs are checked off with a completion date on the course main menu. An individual Lab is finished after completing all of the Lessons contained in that Lab. 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 and a logbook endorsement may be accessed at the "Print Your Course Complete Materials and Endorsement" icon on the main menu only after the entire course has been completed. Pilots clicking the "Print Course Completion Certificate" icon 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 course, or flight departments may order multiple courses and receive a “key” for each course ordered. The flight department then assigns a key to each pilot requiring training. Each pilot registers individually at *https://ilearn.kingschools.com* for the course.

COURSE STUDY

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

LAB 1

METEOROLOGY REVIEW
[135.345(a)(3)]

LESSONS

1 Frontal Systems

Lesson Objective: To review the basic characteristics of weather fronts and air masses.

2 Icing

Lesson Objective: To review icing conditions and the hazard posed by icing on the ground and in-flight.

3 Fog and Ground Operations

Lesson Objective: To review the conditions that form different types of fog, and to learn about low visibility taxi plans and considerations.

4 Thunderstorms

Lesson Objective: To review how thunderstorms form and methods of thunderstorm avoidance, including the use of on-board weather radar and NEXRAD.

5 Turbulence

Lesson Objective: To review what the primary causes of turbulence and how to deal with it.

6 Wind Shear

Lesson Objective: To review what causes wind shear, understand more about wind shear detection equipment, and review how wind shear affects airplanes and how to deal with it.

7 High Altitude Weather

Lesson Objective: To review high-altitude weather phenomena including the jet stream and its potential associated turbulence, and the effects of temperature. You will also review how to obtain and read high-altitude weather products.

LAB 2

SEVERE WEATHER OPERATIONS
[135.345(b)(6)(i)&(ii)]

LESSONS

1 Recognizing and Avoiding Severe Weather Situations

Lesson Objective: To review the definition of severe weather situations, and to explore the resources available to the pilot to avoid severe weather.

2 Escaping from Severe Weather Situations

Lesson Objective: To review exit strategies for inadvertent encounters with severe weather.

3 Contingency Actions for Severe Weather Encounters

Lesson Objective: To review pilot actions when severe weather affects your ability to maintain assigned clearances.

LAB 3

TAKEOFF REQUIREMENTS

LESSONS

1 Runway Limitations and Airport Requirements (135.365, 135.367, 135.397)

Lesson Objective: To learn about minimum runway and airport criteria, and review critical speeds during the takeoff profile.

2 Part 135 Weight Limitations

Lesson Objective: To review general and specific weight limitations for takeoff for different category aircraft in Part 135 operations.

3 Destination Airport – Meeting Landing Limitations in order to Take Off (135.385)

Lesson Objective: To review landing limitations that must be considered prior to departure for different category aircraft in Part 135 operations.

4 Alternate Airport – Meeting Landing Limitations to List an Alternate Airport (135.377, 135.387)

Lesson Objective: To review landing limitations required to list an airport as an alternate.

LAB 4

GENERAL OPERATING PROCEDURES
[135.345(a)(10)]

LESSONS

1 Critical Phases of Flight (135.100)

Lesson Objective: To review the critical phases of flight, and the operating rules while in a critical phase of flight.

2 Selected Part 91 Operating Rules that Also Apply to Part 135 Operations

Lesson Objective: To review the altitude, speed, right-of-way, and ATC rules for different category aircraft operating under Part 135.

3 Overwater Operations (135.183)

Lesson Objective: To review the limitations placed on aircraft operated overwater under Part 135.

LAB 5

IFR OPERATING PROCEDURES AND PERFORMANCE REQUIREMENTS [135.345(a)(10)]

LESSONS

1 Requirements for Aircraft Operated Over-the-Top or IFR

Lesson Objective: To review the required aircraft performance when operating IFR or over-the-top.

2 Taking Off and Landing Under IFR

Lesson Objective: To review the basic weather minimums for taking off and landing IFR in Part 135 operations.

3 Destination and Alternate Airport IFR Weather Minimums

Lesson Objective: To review the weather requirements at the destination and alternate airports in order to takeoff. Also, to review when you are required to declare an alternate due to weather at the planned destination airport.

4 Additional IFR Operating Limitations

Lesson Objective: To review the additional limitations and requirements for IFR operations under Part 135.

5 Second in Command (SIC) for IFR Operations (135.99, 135.101, 135.105)

Lesson Objective: To learn when a second in command is required under Part 135.

LAB 6

AIR TRAFFIC CONTROL SYSTEMS, PROCEDURES AND PHRASEOLOGY [135.345(A)(4)]

LESSONS

1 Air Traffic Control

Lesson Objective: To review air traffic control procedures at towered and non-towered airports, and high density airports. Also to review the use of aircraft call signs, including the "Lifeguard" call sign.

2 Special Operations

Lesson Objective: To review operations requiring special training and authorization including RVSM, RNP, MNPS, ETOPS, P-RNAV and SAAAR.

LAB 7

NAVIGATION AND THE USE OF NAVIGATION AIDS INCLUDING INSTRUMENT APPROACHES [135.345(a)(5)]

LESSONS

1 Navigation Aids

Lesson Objective: To review the aids used in Class I and Class II navigation.

2 Use of Area Navigation (RNAV) Equipment on Conventional Procedures and Routes

Lesson Objective: To review the requirements and ability to use RNAV systems in the National Airspace System (NAS).

3 Instrument Approach Procedures

Lesson Objective: To review precision, non-precision and GPS approach and missed approach elements and procedures.

4 Pilot/Controller Responsibilities for Clearances and Approaches

Lesson Objective: To review pilot and controller responsibilities for clearances and approaches as stated in Section 5-5-1 of the Aeronautical Information Manual (AIM).

LAB 8

NORMAL AND EMERGENCY COMMUNICATIONS PROCEDURES [135.345(a)(6)]

LESSONS

1 Normal Communications

Lesson Objective: To review normal communications procedures with air traffic control.

2 Distress and Urgency Communications

Lesson Objective: To review distress and urgency communications and service priority from ATC when emergency assistance is required.

3 Lost Communications Procedures

Lesson Objective: To review lost communications procedures when operating in VMC and IMC.

LAB 9

THE FAA AND YOU
[135.345(a)(10)]

LESSONS

1 Operational Control

Lesson Objective: To review the definition and importance of operational control for commercial air operations.

2 Operations Manual

Lesson Objective: To review the required and optional information that you will find in your company's operations manual, and when the pilot must have access to the operations manual.

3 Passing a Ramp Check

Lesson Objective: To review the provisions for inspection of commercial air operations and the pilot's responsibilities during a safety inspection.