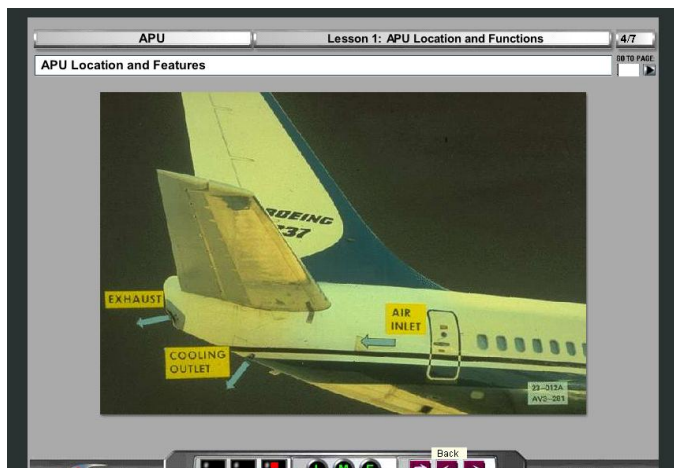


Boeing B737 – 200 CBT/WBT

Target Population:

Pelesys B737-200 is designed for experienced Airline Pilots attending ground school training. This is related to initial training for certification and licensing on the Boeing 737-200 aircraft.



Length of the Course:

This is a self-paced, self-instructional modularized designed to deliver approximately 45 hours of instruction.

Regulatory Compliance:

FAA / JAA / CAA / Transport Canada / IOSA



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Module 1 – Automatic Flight:

Students will be able to explain the use of the autopilot flight director system.

Course Objectives:

- Explain Yaw Damper System
- Locate and Operate of speed brakes and spoilers.
- Explain Autopilot Modes and Operation
- Approach Modes & autopilot Disengagement

Module 2– Flight Controls:

Students will be able to explain the operation of the flight control system.

Course Objectives:

- Locate the primary controls and indications of the flight control system
- Locate and Operate the speed brakes and Spoilers
- Explain High lift Devices and stall warning systems
- Explain non-normal flight controls

Module 3– Pneumatics:

Students will be able to explain the pneumatic air supply and related sub-systems.

Course Objectives:

- Locate controls, indicators and Bleed Air Flow
- Explain non-normal pneumatics and air conditioning

Module 4– Navigation:

Students will be able to interpret and operate the navigation instruments.

Course Objectives:

- Explain Navigation Instruments and Receivers
- Explain Flight Director Components and Modes
- Explain Flight Director Operations, Weather Radar, ATC Transponder and Radio Altimeter.

Module 5– Power Plant Systems:

Students will be able to start, monitor and shutdown the engines under normal operating conditions. Students will also be able to operate and monitor the engine systems.

Course Objectives:

- Explain JT8D Engine and sub systems Description
- Explain Controls and indicators
- Explain normal engine operation
- Explain performance data computer system

Module 6– Landing Gear and Brakes:

Students will be able to explain the structure and operation of landing gear and brakes.

Course Objectives:

- Explain the use of landing gear indications and controls
- Locate brakes, antiskid and nose gear steering
- Explain landing gear and brakes non-normals

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Module 7– Warning Systems:

Students will be able to interpret the aural and visual indications of the master caution and warning systems

Course Objectives:

- Recognize cautions and warnings

Module 8– APU:

Students will be able to learn about the features and functions of the APU.

Course Objectives:

- Locate the APU Locations and Functions
- Explain the protection features
- Describe the APU fuel system and electrical/Bleed air supply
- Explain the normal procedures of using the APU

Module 9 – Flight Instruments

Students will be able to interpret flight instrument displays.

Course Objectives:

- Describe the Pitot-Static System and Instruments
- Describe other flight instrument system and alerts
- Explain Traffic Alert and collision avoidance system

Module 10– Aircraft General:

Students will be able to locate and identify some of the main features of the airplane.

Course Objectives:

- Describe the Interior and the Exterior Features
- Describe the Airplane systems
- Explain the Forward Air stairs
- Explain and Describe the Interior, Exterior and Emergency Lighting system

Module 11– Hydraulics:

Students will be able to relate the three hydraulic power sources to the controls and indicators.

Course Objectives:

- Identify the controls and indicators of the hydraulic system
- Identify Hydraulic system fault indications
- Describe the Normal Operations
- Describe the Hydraulic non-normals

Module 12– Fuel:

Students will be able to learn the components of the fuel system. Additionally, you will become familiar with normal and non-normal procedures.

Course Objectives:

- Describe the Fuel system
- Describe the operation of fueling, defueling and transferring.
- Describe the Normal Operations
- Describe the Non-normal fuel system

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Module 13– Ice & Rain Protection:

Students will learn how to operate the ice and rain protection system.

Course Objectives:

- Locate the ice protection systems controls
- Locate the windshield wiper controls
- Identify the ice protected areas of the aircraft
- Identify ice and rain fault indications

Module 14– Electrical:

Students will be able to locate electrical controls and indications to power sources.

Course Objectives:

- Locate the AC and DC power Sources
- Locate the Control Switches
- Identify components, Indicators and procedures
- Describe the APU and Electrical Non-normal

Module 15– Fire and Overheat Protection

Students will be able to relate fire and overheat indications to the operation of fire and overheat protection

Course Objectives:

- Locate fire and overheat detection systems
- Describe the fire protection systems
- Describe the operation of the APU fire protection system
- Describe the operation of the engine fire protection system
- Test the fire systems

Module 16– Air Conditioning & Pressurization:

Students will be able to explain the operation of the air conditioning and pressurization systems.

Course Objectives:

- Explain the Air Conditioning System
- Explain the Pressurization System
- Describe the Pressurization, Normal Operating System
- Describe the Non-Normal Pressurization Indications

Module 17– Communications:

Students will be able to explain the functions of the communications systems and controls.

Course Objectives:

- Explain the Cockpit Communication Controls