



**Pilot Training**

# **H145 Helionix® / BK117 D2 – D3 Differences Course**

**1 Day**

**Ground School**

**8 Hours**

**Sim**

**0 Hours**

**Flight**

**1 Hour (Upon Customer Request)**



## **SCOPE:**

This course will provide a complete overview of the differences between the H145 D2 and D3 Helicopter. Classroom instruction, the Flight Manual, the Pilot Training Manual, and various handouts, will provide complete information for a thorough understanding of the differences related to aircraft functionality and systems, with emphasis on Helionix and Lifting System upgrades.

## **OBJECTIVE:**

To instill the fundamental knowledge required to safely transition from the D2 – D3 H145 helicopter. Upon successful completion of this course the student should fully understand the differences in systems and functionality of the D2-D3 upgrade for the H145 helicopter.

## **COURSE PREREQUISITES:**

Acceptance into this course is based upon these requirements:

- A current FAA issued Helicopter Pilot Certificate or equivalent
- Valid Medical Certificate
- Completion of H145 (BK117 D2) Airbus or equivalent transition course

In special circumstances any of the above requirements may be waived with the approval of Airbus Helicopters, Inc.'s Chief Pilot.

## **NOTICES:**

Airbus Helicopters, Inc. reserves the right to notify customer of the occurrence of any force majeure condition that, in its sole discretion, is the cause of excusable delay. In the event of a force majeure condition, the services and/or classes will be extended or, if required, rescheduled for the first available opening. Airbus Helicopters, Inc. will not be liable for any costs, claims, or damages to customer or its employees arising from delays or interruptions caused by any force majeure condition.

The stated duration of the course is based on two student pilots per course. Additional student pilots may change the duration of the flight portion of the course. Airbus Helicopters Inc. instructor pilots fly a maximum of 4.5 hours per day.



## **Ground School**

8 hours

### **Helionix / Autopilot**

SCOPE: This block of instruction will cover differences in Helionix and Autopilot software, symbology, functionality, and limitation/emergency procedure variances. This section will also cover the new Wireless Airborne Communication Server (wACS) being installed on production H145 aircraft.

### **Landing Gear**

SCOPE: This block of instruction will cover the minimal changes/alterations on the landing gear system.

### **Lifting System**

SCOPE: This block of instruction covers the new 5-bladed bearingless main rotor (BMR) system, blade construction, main transmission changes, aircraft dimension differences, and mast moment modifications.

### **Flight Controls**

SCOPE: This block of instruction will consist of an overview of the flight control system and 5-blade integration, addition of the electric hydraulic actuator, and differences in switchology and pre-start requirements.

### **Master Electrical Boxes**

SCOPE: This block of instruction will cover the direct current power sources, power system components and their functions, layout of the power system components, power distribution, external power units, and the systems associated malfunctions and failures as well as caution / warning lights.





## **Flight Training**

### **Flight 1 (Upon Customer Request)**

1.0 hour

Normal Start Procedures IAW RFM  
Basic Handling and Aerodynamic Characteristics  
Normal Flight Maneuvers  
Modes of stabilization  
Optional Maneuvers Upon Request