



AIRLAB SUBANG

# BASIC HYDRAULIC SYSTEM

Introduces the principles and operation of hydraulic systems in aircraft.

## Introduction

Hydraulic systems play a critical role in the operation of various aircraft components, including landing gear, brakes, and flight control systems. This course provides participants with a foundational understanding of aircraft hydraulic systems, including the principles of hydraulic power, the components involved, and the maintenance practices required to ensure system reliability. Participants will learn about the different types of hydraulic fluids, the importance of leak detection, and the procedures for troubleshooting common hydraulic system issues.

## Course Objectives

To equip participants with a basic understanding of hydraulic systems in aircraft and the skills needed for their maintenance.

## Course Outline

- Introduction to Hydraulic Systems
- Principles of Hydraulic Power
- Components of Aircraft Hydraulic Systems
- Hydraulic Fluids and Their Properties
- Leak Detection and Prevention
- Maintenance Practices
- Troubleshooting Techniques
- Regulatory Requirements
- Case Studies

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+60378325136



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