



AIRLAB SUBANG

# PROPELLER SYSTEM BASIC

Introduces the principles, operation, and maintenance of propeller systems in aircraft.

## Introduction

Propeller systems are essential for generating thrust in many types of aircraft, particularly in general aviation. This course provides participants with an introduction to the basic principles of propeller systems, including the types of propellers, their components, and the maintenance practices required to ensure their safe operation. Participants will learn about the factors that influence propeller performance, the procedures for balancing and repairing propellers, and the regulatory requirements for propeller maintenance. The course also includes hands-on practice to reinforce learning.

## Course Objectives

To equip participants with the knowledge and skills necessary to understand, maintain, and troubleshoot propeller systems in aircraft.

## Course Outline

- Introduction to Propeller Systems
- Types of Aircraft Propellers
- Propeller Components and Operation
- Principles of Thrust Generation
- Maintenance and Repair Techniques
- Propeller Balancing Procedures
- Regulatory Requirements
- Hands-On Practice
- Case Studies

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