

# Comprehensive Exercise of Control Technique of Helicopter: Part-2

Syllabus Number

2E211

Helicopter Pilot Course  
Elective 1 credit

IMAI, Michio

## 1. Course Description

Guidance in area maneuvers, basic instrument flight and navigation flight. Review maneuvering and improvements on flying skills. Learn the basic knowledge needed for the private pilot oral examination. Mainly, this course is carried out in a practical training style. This subject is related to DP 2, 4, 5.

## 2. Course Objectives

By understanding the practical maneuvering subject and taking briefings before / after flights, execute a smooth transition in flight training through the classroom lecture,  
Be able to obtain basic knowledge for the practical examination.

## 3. Grading Policy

This subject is evaluated by the result of trial examination (80%) and participations such as problem solving attitude will also be evaluated (20%).  
You are required to go through and explain the answer of the trial examinations in classes.

## 4. Textbook and Reference

Textbook

Pilot's Operating Handbook ALP

Navigation plan and flight procedure ALP

Aeronautics law Hōbunshorin, ISBN978-4-89279-545-9

AIM-J JAPA, ISBN978-4-931160-02-6

Flight Manual

## 5. Requirements(Assignments)

Review and write down the necessary information for the commercial pilot test, with linking to lecture and practical trainings, in notebooks. 3 hours of preparation and review is necessary.

## 6. Note

Class is held at Shimozuma heliport.

## 7. Schedule

- [1] Area maneuvers, Basic Instrument Flight
- [2] Airspace, Procedure to Build a Flight Plan
- [3] Procedure to Build a Navigation Log
- [4] Procedure to Build a Navigation Log Training
- [5] Procedure of Navigate
- [6] Procedure of Navigation Training
- [7] Navigational and Take-off / Landing
- [8] Flight Maneuver and Improvements (Hovering, Flight in traffic pattern)
- [9] Flight Maneuver and Improvements (Area maneuvers)
- [10] Flight Maneuver and Improvements (Basic Instrument Flight, Emergency Operation)
- [11] Aeronautics law for the practical examination (Preparation for the Oral Examination)
- [12] Airspace and traffic control service for the practical examination  
(Preparation for the Oral Examination)
- [13] Weather and aeronautical information for the practical examination  
(Preparation for the Oral Examination)
- [14] R22 System for the practical examination  
(Preparation for the Oral Examination)
- [15] Flight manual for a practical examination  
(Preparation for the Oral Examination)