



Private Pilot Licence and Recreational Pilot Permit

Resources:

FGU = From the Ground Up, **30th Edition**

FTM = Flight Training Manual, 4th Edition Revised

POH = Pilot Operating Handbook, C-172 M

Licensing, Airframes and Pre-flight

Tuesday October 28, 2025

Introduction

Private Pilot Privileges

Licensing Requirements

Definitions

Aircraft Components

Landing Gear or Undercarriage

Brakes

Control Systems and Materials

Preparation for Flight

FGU Glossary

1.1

1.1

1.1

1.2

FTM 34 – 39

POH Section 7

Theory of Flight

Tuesday November 04, 2025

Forces acting on an Aeroplane

How lift is created

Weight, Thrust and Drag

Wake Turbulence

Ground Effect

Wing Design

Flaps

Axes of an Aeroplane

Stability

Flight Performance Factors

Loads

Load Factors

Basic Principles of Flight

FGU 2.1

2.1

2.1

2.1

2.1

2.1.2

2.1.2

2.1.3

2.1.4

2.1.5

2.1.5

FTM 14

FTM 3 – 15

Aero Engines
Tuesday November 11, 2025

Engines	FGU	Ch. 3
Cooling and Lubrication		3.1.10
Fuel System		3.2
Carburetor		3.3
Fuel Injection (Turbo and Supercharge)		3.3
Exhaust Systems		3.4
Ignition Systems		3.5
Electrical Systems		3.7
Propellers		3.8
Engine Instruments		3.9
Engine Operation		3.10

Flight Instruments 1
Tuesday November 18, 2025

Airspeed Limitations	FGU	2.1.6
The Pitot/Static System		2.2.1

Flight Instruments 2 & Weight and Balance
Tuesday November 25, 2025

Gyro Instruments	FGU	2.2.2
Magnetic Compass		7.2.2
Weight and Balance		10.2
	POH	Section 6

Aerodromes & Performance
Tuesday December 02, 2025

Aeroplane Performance	FGU	10.3
	POH	Section 5

Performance & Review night
Tuesday December 09, 2025

Aerodromes	FGU	4.0 – 4.1.8
Aerodrome Traffic Procedures		4.1.8 - 4.2

Air Law
Tuesday December 16, 2025

Canadian Airspace	FGU	4.2
Airspace Classifications (Classes A – G)		4.2.6
Rules of the Air		5.0
Air Traffic Rules and Procedures		5.2

Radio Procedures and Radio Aids
Tuesday December 23, 2025

Radio Theory	FGU	8.0
Communication Equipment		8.2
Communication Services		8.3
Radio Procedures		8.4
Radar and Radar Facilities		9.10
Emergency Locator Transmitter		9.11
Radio Aids		[9.0-9.1.8], [9.2.1],
[9.5-9.5.3]		
	FTM	163 - 177

Meteorology 1
Tuesday December 30, 2025

The Atmosphere / Clouds	FGU	6.0-6.3
Humidity, Temperature and Stability		6.5-6.5.3
Heating the Atmosphere		6.5-6.5.3
Cooling the Atmosphere		6.5-6.5.3
Visibility		6.8.4
Stable and Unstable Air		6.5.3
Precipitation and Fog		6.8

Meteorology 2
Tuesday January 06, 2026

Atmospheric Pressure and Winds	FGU 6.3-6.5
Air Masses	6.6
Fronts	6.7
Icing	6.10

Meteorology 3
Tuesday January 13, 2026

Thunderstorms	FGU 6.9
Weather Information	6.14

Flight Computer
Tuesday January 20, 2026

Flight Computer Operations	Instruction Manual
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Navigation 1
Tuesday January 27, 2026

Latitude and Longitude	FGU 7.0-7.4
Aeronautical Charts	7.4
Plotting Instruments	7.4.5
Drift Correction	7.4.7
Flight Plan	5.2.5

Navigation 2
Tuesday February 03, 2026

Pilot Navigation	FGU 7.4.6
Pre-Flight Planning	10.5-10.5.2

Navigation 3
Tuesday February 10, 2026

Human Factors & Pilot Decision Making
Tuesday February 17, 2026

Human Factors
PDM Process
Scenarios

FGU 11.0 - all

EXAM PREP

Group Open Book Exam Night 1
Tuesday February 24, 2026

On this night we will be going through a sample exam together containing 50 multiple choice questions on **Air Law and Meteorology**. This open book forum will give us a chance to ask lots of questions and have open and thought provoking discussion. This will also be a chance for students to ask questions based on the two topics of the night so come with your questions in hand.

Group Open Book Exam Night 2
Tuesday March 03, 2026

On this night we will be going through a sample exam together containing 50 multiple choice questions on **Navigation and General Knowledge**. This open book forum will give us a chance to ask lots of questions and have open and thought provoking discussion. This will also be a chance for students to ask questions based on the two topics of the night so come with your questions in hand.