



Private Pilot Licence and Recreational Pilot Permit

Resources:

FGU = From the Ground Up, **29th Edition**

FTM = Flight Training Manual, 4th Edition Revised

POH = Pilot Operating Handbook, C-172 M

Licensing, Airframes and Pre-flight

Tuesday April 30th, 2019

Introduction

Private Pilot Privileges

Licensing Requirements

Definitions

FGU Glossary

Aircraft Components

1.1

Landing Gear or Undercarriage

1.1

Brakes

1.1

Control Systems and Materials

1.2

Preparation for Flight

FTM 34 – 39

POH Section 7

Theory of Flight

Tuesday May 7th, 2019

Forces acting on an Aeroplane

FGU 2.1

How lift is created

2.1

Weight, Thrust and Drag

2.1

Wake Turbulence

2.1

Ground Effect

2.1

Wing Design

2.1.2

Flaps

2.1.2

Axes of an Aeroplane

2.1.3

Stability

2.1.4

Flight Performance Factors

2.1.5

Loads

2.1.5

Load Factors

FTM 14

Basic Principles of Flight

FTM 3 – 15

Aero Engines

Tuesday May 14th, 2019

Engines	FGU	Ch. 3
Cooling and Lubrication		3.1.10
Fuel System		3.2
Carburetor		3.3
Fuel Injection (Turbo and Super Charge)		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

DOUBLE NIGHT WEEK

Flight Instruments 1

Tuesday May 21st, 2019

Airspeed Limitations	FGU	2.1.6
The Pitot/Static System		2.2

Flight Instruments 2 & Weight and Balance

THURSDAY May 24th, 2019

Gyro Instruments	FGU	2.2.3
Magnetic Compass		7.2.2
Weight and Balance		10.2
	POH	Section 6

Performance

Tuesday May 28th, 2019

Aeroplane Performance	FGU	10.3
	POH	Section 5

Aerodromes & Review night

Tuesday June 4th, 2019

Aerodromes	FGU	4.0 – 4.1.8
Aerodrome Traffic Procedures		4.1.8 - 4.2

Air Law

Tuesday June 11th, 2019

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 June 18th, 2019

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

DOUBLE NIGHT WEEK

Meteorology 1

Tuesday June 25th, 2019

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

THURSDAY June 27th, 2019

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

Meteorology 3
Tuesday July 2nd, 2019

Thunderstorms	FGU 6.9
Weather Information	6.14

Flight Computer
Tuesday July 9th, 2019

Flight Computer Operations	Instruction Manual
----------------------------	--------------------

Navigation 1
Tuesday July 16th, 2019

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

DOUBLE NIGHT WEEK

Navigation 2
Tuesday July 23rd, 2019

Pilot Navigation	FGU 7.4.6
Pre-Flight Planning	10.5-10.5.2

Navigation 3
THURSDAY July 25th, 2019

Human Factors & Pilot Decision Making
Tuesday July 30th, 2019

Human Factors	FGU 11.0 - all
PDM Process	
Scenarios	

DOUBLE NIGHT WEEK

EXAM PREP

Group Open Book Exam Night 1

Tuesday August 6th, 2019

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

THURSDAY August 8th, 2019

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.