



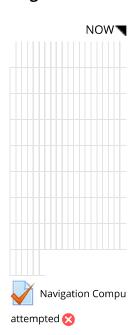
Home

Home > Courses > Pilot Courses > HCL





Progress Bar

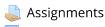


Expected: Sun, 29 Nov 20





Activities



肩 Forums

Glossaries

🏏 Quizzes

🗎 Resources

Helicopter Private/Commercial Pilot License

Welcome to our Helicopter Private/Commercial Pilot online ground school! Students must complete all readings, presentations, quizzes and exams in order to receive credit for Private/Commercial ground school. The course is designed to work from the top on down, but it can be completed in any order you prefer.

Course Objectives

- To provide the students with the background knowledge required to operate as a safe Helicopter Private/Commercial pilot.
- To prepare the student for the successful completion of the Helicopter Private/Commercial Pilot written exam.
- Fulfills the Transport Canada requirement for ground school.



Course Tutorial - READ THIS FIRST!

Study and Reference Guide - Helicopter Private and Commercial Pilot Licence



1

Canadian Aviation Glossary





Air Law: Review of the Basics

Topic

Home

Dashboard

Site pages

Current course

HCL

Participan

ts

Badges

My courses



Administration

Course administration

Ⅲ Grades

Question bank

Switch role to...

Return to my normal

role

Site

administration



Flight





School

- Erik Olson
- Bill Detwiller



Enrolment

Your enrolment in

Helicopter

Private/Commerci

al Licence Course



Assigned Reading - From the Ground Up



General Provisions Presentation



General Provisions Quiz



Aerodromes and Airports Presentation



Aerodromes and Airports Quiz



Personnel Licensing and Training Presentation



Helicopter Personnel Licencing and Training



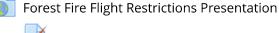
Personnel Licensing and Training Quiz



Airspace Structure, Classification and Use Presentation



Airspace Structure, Classification and Use Quiz



Forest Fire Flight Restrictions Quiz



Operating and Flight Rules Presentation



Operating and Flight Rules Quiz



Helicopter Operating and Flight Rules Presentations



Helicopter Operating and Flight Rules Quiz



Altimeter Setting Procedures Presentation



Altimeter Setting Procedures Quiz



Helicopter Operational and Emergency Equipment Requirements



Operational and Emergency Equipment Requirements Quiz



Flight Preparation, Flight Plans and Flight Itineraries Presentation



Flight Preparation, Flight Plans and Flight Itineraries Quiz



Helicopter Pre-Flight and Fuel Requirements Presentation



Pre-Flight and Fuel Requirements Quiz



Air Law Review Topic Quiz



Question/Discussion Forum: Air Law: Review of the Basics

Air Law: VFR Procedures 2



Assigned Reading - From the Ground Up

does not expire.

Operations at or in the Vicinity of an Aerodrome

Presentation



Operations at or in the Vicinity of an Aerodrome Quiz



Helicopter Visual Flight Rules Presentation



Helicopter Visual Flight Rules Quiz



Radio Communications Presentation



Radio Communications Quiz



Emergency Communications and Security Presentation



Emergency Communications and Security Quiz



Aircraft Requirements Presentation



Aircraft Requirements Quiz



Transportation Safety Board Presentation



Transportation Safety Board Quiz



Air Traffic Services and Procedures Presentation



Air Traffic Services and Procedures Quiz



Heliports Presentation



Heliports Quiz



Air Law: VFR Procedures Topic Quiz



Question/Discussion Forum: Air Law: VFR Procedures

3 Air Law: Aircraft/Helicopter

Topic



Assigned Reading - CAR's and AIM



Documents Presentation



🖊 Documents Quiz



Aircraft Equipment Requirements



Aircraft Equipment Requirements Quiz



Aircraft Maintenance Requirements Presentation



Aircraft Maintenance Requirements Quiz



Technical Maintenance Records Requirements Presentation



Technical Maintenance Records Requirements Quiz



Commercial Maintenance System



Commercial Maintenance System Quiz



Miscellaneous Presentation



Miscellaneous Quiz



Air Law: Aircraft Topic Quiz



Question/Discussion Forum: Air Law: Aircraft

Air Law: Commercial Aviation (Private Pilot students may skip this section)

Topic



4

Assigned reading - CARs and AIM



Commercial Flight Operations Presentation



Commercial Flight Operations Quiz



Flight Time and Flight Duty Time Limitations and Rest Presentation



Flight Time, Duty Time and Rest Quiz



Type Ratings Presentation



Type Ratings Quiz



Aerial Work Presentation



Aerial Work Quiz



Air Taxi Presentation



Air Taxi Quiz



Safety Management Systems Introduction Presentation



Safety Management Systems Quiz



Safety Management Systems Application Presentation



Safety Management Systems Application Quiz



CADORS Presentation



CADORS Quiz



Air Law: Commercial Aviation Topic Quiz

Question/Discussion Forum: Air Law: Commercial Aviation

Airframes, Engines, and Systems 5

Topic



Reading Reference - FTGU



Airframes Presentation



Helicopter Landing Gear Presentation

Piston Engines

O320 Engine Demo

Piston Engine Quiz

Turbine Engines Presentation

Rolls-Royce - Model 250 Turbine Engine Demo

Turbine Engines Quiz

Helicopter Turbine Engines Presentation

Helicopter Turbine engines Quiz

Manifold Pressure

Manifold Pressure Quiz

Carburetor Presentation

Carburetor Quiz

Fuel Injection Presentation

Fuel Injection Quiz

Helicopter Hydraulic System Presentation

🚺 Hydraulic System Quiz

Helicopter Transmissions and Gearboxes Presentations

Helicopter Transmissions and Gearboxes Quiz

Helicopter Electrical Systems Presentation

Helicopter Electrical Systems Quiz

Lubricating Systems and Oils Presentation

Lubricating Systems and Oils Quiz

Helicopter Lubricating Systems and Oils Presentation

Helicopter Lubricating Systems and Oils

Fuel Systems and Fuels Presentation

Fuel Systems and Fuels Quiz

Helicopter Other Systems Presentations

Helicopter Other Aircraft Systems

Question/Discussion Forum: Air Law: Airframes, Engines, and Aircraft Systems

Theory of Flight 6

Topic



Reference Reading - FTGU



Principles of Flight Presentation



Principles of Flight Quiz



Forces Acting on an Aircraft Presentation



Forces Acting on an Aircraft Quiz



Aerofoils Presentation



Aerofoils Quiz



Load Factor Presentation



Load Factor Quiz



Stability Presentation



Stability Quiz



Helicopter Definitions Presentation



Helicopter Definitions Quiz



Helicopter Rotor Design Presentation



Helicoptor Rotor Design Quiz



Helicopter Aerodynamics Presentation



Helicopter Aerodynamics Quiz



Helicopter Flight Controls Presentation



Helicopter Flight Control Quiz



Question/Discussion Forum: Theory of Flight

Flight Operations 7

Topic



Reading Reference - FTGU



General Flight Operations Presentation



General Flight Operations Quiz



Wake Turbulence Presentation



Make Turbulence Quiz



Search and Rescue (SAR) Presentation



Search and Rescue Quiz



Aircraft Critical Surface Contamination Presentation



Aircraft Critical Surface Contamination Quiz



Aircraft Icing Presentation



Aircraft Icing Quiz



Aircraft De-icing/Anti-icing Fluids



When in doubt. Aircraft Icing



Aircraft De-icing/Anti-icing Fluids Quiz



Helicopter Weight and Balance Presentation



Helicopter Weight and Balance Quiz



Weight Shift Presentation



🆊 Weight Shift Quiz



Segmented Weights for Passengers



Segmented Weights for Passengers Quiz



Helicopter Performance Presentation



Helicopter Performance Quiz



Helicopter Performance Charts Presentation



Helicopter Performance Charts Quiz



Flight Operations Topic Quiz



Question/Discussion Forum: Flight Operations

8 Pilot Decision Making and Human Factors

Topic



Reading Reference - FTGU



Visual Illusions Presentation



Visual Illusions Quiz



Spatial Orientation Presentation



Spatial Orientation Quiz



Aviation Physiology Presentation



🖊 Aviation Physiology Quiz



Pilot Decision Making Presentation



Pilot Decision Making Quiz



The Pilot and the Operating Environment Presentation



The Pilot and the Operating Environment Quiz



Aviation Psychology Presentation



Aviation Psychology Quiz



Pilot - Equipment/Materials Relationship Presentation



VI Pilot - Equipment / Materials Relationship Quiz



Interpersonal Relations Presentation



Interpersonal Relations Quiz



Cockpit Resource Management (CRM) Presentation



🖊 Cockpit Resource Management (CRM) Quiz



Night Flying Presentation



Night Flying Quiz



Pilot Decision Making and Human Factors Topic Quiz



Question/Discussion Forum: Pilot Decision Making and

Human Factors

Flight Instruments 9

Topic



Reference Reading - FTGU



Pitot Static System Presentation



Pitot/Static Simulator



Pitot Static System Quiz



Airspeed Indicator Presentation



Airspeed Indicator Quiz



Airspeeds and Definitions Presentation



Airspeeds and Definitions Quiz



Vertical Speed Indicator Presentation



Vertical Speed Indicator Quiz



Altimeter/Encoding Altimeters Presentation



Altimeter/Encoding Altimeters Quiz



Magnetic Compass Presentation



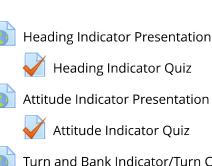
Magnetic Compass Quiz



Gyroscope Presentation



Gyroscope Quiz



Turn and Bank Indicator/Turn Co-ordinator Presentation

Turn and Bank Indicator / Turn Co-ordinator Quiz

Instrument Flying Presentation

Instrument Flying Quiz

Flight Instruments Topic Quiz

Question/Discussion Forum: Flight Instruments

10 Meteorology 1

Topic 10

Reference Reading - FTGU

The Big Picture of Weather Presentation

The Big Picture of Weather Quiz

The Earth's Atmosphere Presentation

The Earth's Atmosphere Quiz

Atmospheric Pressure Presentation

Atmospheric Pressure Quiz

Meteorological Aspects of Altimetry Presentation

Meteorological Aspects of Altimetry Quiz

Temperature Presentation

Temperature Quiz

Air Command Weather

Rule of Thumb

Meteorology 1 Topic Quiz

Question/Discussion Forum: Meteorology 1

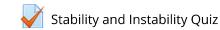
11 Meteorology 2

Topic 11

Reference Reading -FTGU



Stability and Instability Presentation



The Seasons Presentation

The Seasons Quiz

Clouds Presentation

Clouds Quiz

Wind Presentation

Wind Quiz

Jet Streams Presentation

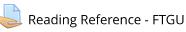
Jet Streams Quiz

Meteorology 2 Topic Quiz

Question/Discussion Forum: Meteorology 2

Meteorology 3 12

Topic



Air Masses Presentation

Air Masses Quiz

Fronts and Frontal Weather Presentation

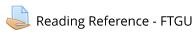
Fronts and Frontal Weather Quiz

Meteorology 3 Topic Quiz

Question/Discussion Forum: Meteorology 3

Meteorology 4 13

Topic 13



Mountain Wave Presentation

Mountain Wave Quiz

Turbulence Presentation

Turbulence Quiz

Time Lapse Storms (Bonus Video)

Thunderstorms Quiz

Surface Based Layers Presentation

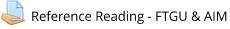
Surface Based Layers Quiz

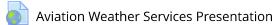
Meteorology 4 Topic Quiz

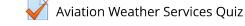
Question/Discussion Forum: Meteorology 4

Weather Reports and Forecast

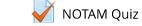
Topic











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Aviation Weather Reports Presentation



Aviation Weather Forecasts Presentation

🗸 Aviation Weather Forecasts Quiz

Graphical Area Forecast (GFA) Presentation

Graphical Area Forecast (GFA) Quiz

Weather Maps and Prognostic Charts Presentation

Weather Maps and Prognostic Charts Quiz

Satellite Imagery Presentation

Satellite Imagery Quiz

Airborne Weather Radar Presentation

Airborne Weather Radar Quiz

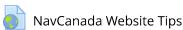
Weather Detection Systems Presentation

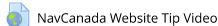
Weather Detection Systems Quiz

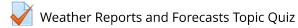
Weather Radar Presentation

Weather Radar Quiz

Weather Services (NavCanada)







Question/Discussion Forum: Weather reports and forcasts

15 Navigation 1: Flight Planning

Topic 15



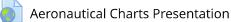
Reference Reading - FTGU

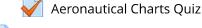


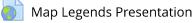














Time and Longitude Presentation

Time and Longitude Quiz

Pilot Navigation Presentation

Pilot Navigation Quiz

Flight Service Station (FSS)

flight Service Station (FSS) Presentation

1: 60 Rule Presentation

1:60 Rule Quiz

Triangle of Velocity Presentation

Triangle of Velocity Quiz

Lo Chart Definitions and Terms Presentation

LO Chart Definitions and Terms Quiz

Practice cross country reference material

V Navigation 1: Flight Planning Review Quiz

📋 Question/Discussion Forum: Navigation Flight Planning

16 Navigation 2: Practical Navigation

Topic



Reference Reading - FTGU



Navigation Log



E6B Video Tutorial With Accompanying Text



E6B Manual



Navigation Computers Presentation



Navigation Computers Quiz 1



Navigation Computers Quiz 2



Flight Computer Emulator



Filling out a Navlog Presentation



Pre-Flight Preparation Presentation



Pre-Flight Preparation Video



Pre-Flight Preparation Quiz



CPL Practice Cross-Country Quiz 1



CPL Practice Cross-Country Quiz 2



CPL Practice Cross-Country Quiz 3



Navigation 2: Practical Navigation Review Quiz



Question/Discussion Forum: Navigation 2: Practical

Navigation

17 Navigation 3: Radio Navigation

Topic 17



Reference Reading - FTGU



Radio Theory Presentation



Radio Theory Quiz



Emergency Location Transmitter (ELT) Presentation



Emergency Locator Transmitter (ELT) Quiz



Automatic Direction Finder (ADF) Presentation



ADF Simulator



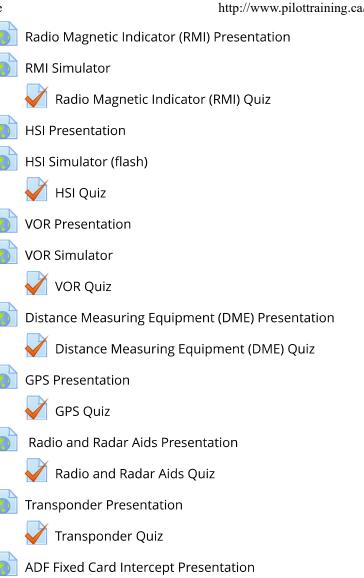
Automatic Direction Finder (ADF) Quiz 1



Automatic Direction Finder (ADF) Quiz 2

Topic

18



Fixed Card ADF Intercept Quiz

ADF RMI Intercept Presentation

VOR Intercept Presentation

VOR Intercept Quiz

Radio Navigation Review Quiz

Question/Discussion Forum: Navigation 3: Radio Navigation

Practice Exams 18

READ BEFORE DOING A PRACTICE EXAM. How do I get a record of ground school letter for my Pilot Training Record?

Commercial Pilot Practice Exams - Required Maps and Links for Printing.

CPL Practice Exam Resource Links

The above file may be printed (optional) prior to attempting the practice exams. It contains charts linked to by all the exams. For ease of map reading the tracks have already been highlighted and labeled in each exam.

**IF TROUBLE OPENING THE FILE DIRECTLY -- RIGHT CLICK AND SAVE AS...



Practice Examination 1



Practice Examination 2



Practice Examination 3



Practice Examination 4



Practice Examination 5



Practice Examination 6



Question/Discussion Forum: Practice Examinations

19 "Good to know"

Topic

19



Dangerous Goods Presentation



Dangerous Goods Quiz



New Hire Course



New Hire Course Presentation Quiz



Transborder Operations

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