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Student



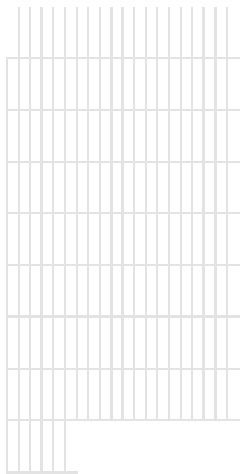
Home



Home > Pilot Courses > CPL



Progress Bar

NOW ▾








 Emergency Commu
attempted 

Expected: Tue, 24 Nov 20



Activities

-  Assignments
-  Forums
-  Glossaries
-  Quizzes
-  Resources



Navigation

Commercial Pilot License

Welcome to our Commercial Pilot online ground school! Students must complete all readings, presentations, quizzes and exams in order to receive credit for 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 Commercial pilot.
- To prepare the student for the successful completion of the Commercial Pilot written exam (CPAER).
- Fulfills the Transport Canada requirement for 80 hours of ground school.



Frequently Asked Questions about completing the Online Ground School



Course Tutorial - READ THIS FIRST!



Study and Reference Guide - Commercial Pilot License



Examination Overview



Equations and Conversion Tables



About The Instructors: Aaron Doherty



TC Written Exam Student Feedback





















CPL exam feedback Dec 2012



Canadian Aviation Glossary

A record of ground school will be available for those students who correct each quiz to 100%

not expire.












-  Personnel Licensing and Training Presentation
 -  Personnel Licensing and Training Quiz
-  Airspace Structure Presentation
 -  Airspace Structure Quiz
-  Forest Fire Flight Restrictions Presentation
 -  Forest Fire Flight Restrictions Quiz
-  Operating and Flight Rules Presentation
 -  Operating and Flight Rules Quiz
-  Altimeter Setting Procedures Presentation
 -  Altimeter Setting Procedures Quiz
-  Emergency Equipment Requirements Presentation
 -  Emergency Equipment Requirements Quiz
-  Flight Preparation, Flight Plans and Flight Itineraries Presentation
 -  Flight Preparation, Flight Plans and Flight Itineraries Quiz
-  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







2

Air Law: VFR Procedures

Topic

2
















-  Assigned Reading - From the Ground Up
-  Operations at or in the Vicinity of an Aerodrome Presentation
 -  Operations at or in the Vicinity of an Aerodrome Quiz
-  Visual Flight Rules Presentation
 -  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
-  Air Law: VFR Procedures Topic Quiz
-  Question/Discussion Forum: Air Law: VFR Procedures

3

Air Law: Aircraft






Topic
3

















-  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

4

Air Law: Commercial Aviation

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
-  Flight Training Unit Presentation
-  Flight Training Unit Quiz
-  Private Operator Passenger Transportation Presentation
-  Private Operator Passenger Transportation 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

5

Airframes, Engines, and Aircraft Systems

Topic
5






-  Reading Reference - FTGU
-  Airframes Presentation
-  Airframes Quiz
-  Landing Gear, Brakes and Flaps Presentation
-  Landing Gear, Brakes and Flaps Quiz
-  Piston Engines
-  Turbocharger Demo
-  O320 Engine Demo
-  Piston Engine Quiz
-  Turbine Engines Presentation
-  PT6 Turbine Engine Demo
















-  Rolls-Royce - Model 250 Turbine Engine Demo
-  Turbine Engines Quiz
-  Diesel Engine Presentation
-  Propellers (Variable Pitch) Presentation
-  Propellers Theory Presentation
-  Propellers Quiz
-  Constant Speed Propellers Presentation
-  Constant Speed Propellers Quiz
-  Manifold Pressure
-  Manifold Pressure Quiz
-  Carburetor Presentation
-  Carburetor Quiz
-  Fuel Injection Presentation
-  Fuel Injection Quiz
-  Electrical System Presentation
-  Electrical System Quiz
-  Lubricating Systems and Oils Presentation
-  Lubricating Systems and Oils Quiz
-  Fuel Systems and Fuels Presentation
-  Fuel Systems and Fuels Quiz
-  Other Aircraft Systems Presentation
-  Other Aircraft Systems Quiz
-  Airframes, Engines, and Systems Topic Quiz
-  Question/Discussion Forum: Air Law: Airframes, Engines, and Aircraft Systems

6

Theory of Flight

Topic
6




-  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
-  Design of the Wing Presentation
-  Design of the Wing Quiz
-  Load Factor Presentation
-  Load Factor Quiz
-  Stability Presentation
-  Stability Quiz
-  Flight Controls Presentation
-  Flight Controls Quiz
-  Relationship Of Speed To Angle Of Attack Presentation
-  Relationship of Speed to Angle of Attack Quiz
-  Rule of Thumb
-  Theory of Flight Topic Quiz
-  Question/Discussion Forum: Theory of Flight

7

Flight Operations












Topic
7

-  Reading Reference - FTGU
-  General Flight Operations Presentation
-  General Flight Operations Quiz
-  Wake Turbulence Presentation
-  Wake 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

-  Weight and Balance Presentation Part 1
-  Weight and Balance Presentation Part 2
-  Weight and Balance Quiz
-  Weight Shift Presentation
-  Weight Shift Quiz
-  Segmented Weights for Passengers
-  Segmented Weights for Passengers Quiz
-  Flight Operations Topic Quiz
-  Question/Discussion Forum: Flight Operations







8 **Aircraft Performance**
















Topic
8

-  Reading Reference - FTGU, CFS & POH
-  Aircraft Performance Presentation
-  Aircraft Performance Quiz
-  Performance Graphs Presentation
-  Aircraft Performance Quiz Appendix
-  Performance Graphs Quiz
-  Use of Performance Charts Presentation
-  Use of Performance Charts Quiz
-  Rule of Thumb
-  Aircraft Performance Review Quiz
-  Question/Discussion Forum: Aircraft Performance

9 **Pilot Decision Making and Human Factors**

Topic
9

-  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
-  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















10

Flight Instruments

Topic

10
















-  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
-  Heading Indicator Presentation
-  Heading Indicator Quiz
-  Attitude Indicator Presentation
-  Attitude Indicator 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 Review Topic Quiz
-  Question/Discussion Forum: Flight Instruments

11

Meteorology 1

Topic
11

-  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
-  Aviation Weather Part 1
-  Aviation Weather Part 2
-  Air Command Weather
-  Meteorology 1 Topic Quiz



Question/Discussion Forum: Meteorology 1

12

Meteorology 2

Topic
12

Reference Reading -FTGU



Moisture Presentation



Moisture Quiz



Stability and Instability Presentation



Stability and Instability Quiz



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

13

Meteorology 3

Topic
13

Reading Reference - FTGU



Air Masses Presentation



Air Masses Quiz



Fronts and Frontal Weather Presentation



Fronts and Frontal Weather Quiz



Meteorology 3 Review Quiz















Question/Discussion Forum: Meteorology 3

14

Meteorology 4

Topic
14


















Reading Reference - FTGU










-  Mountain Wave Presentation
-  Mountain Wave Quiz
-  Turbulence Presentation
-  Turbulence Quiz
-  Thunderstorms Presentation
-  Time Lapse Storms (Bonus Video)
-  Thunderstorms Quiz
-  Surface Based Layers Presentation
-  Surface Based Layers Quiz
-  Rule of Thumb
-  Meteorology 4 Topic Quiz
-  Question/Discussion Forum: Meteorology 4

15

Weather Reports and Forecast

Topic
15





















-  Reference Reading - FTGU & AIM
-  Aviation Weather Services Presentation
-  Aviation Weather Services Quiz
-  NOTAMS Presentation
-  NOTAM Quiz
-  Aviation Weather Reports Presentation
-  Aviation Weather Reports Quiz
-  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)
-  NavCanada Website Tips
-  NavCanada Website Tip Video
-  Weather Reports and Forecasts Review Quiz
-  Question/Discussion Forum: Weather reports and forecasts

16

Navigation 1: Flight Planning

Topic
16

-  Reference Reading - FTGU
-  Navigation Definitions Presentation
-  Navigation Definitions Quiz
-  CFS Presentation
-  CFS Quiz
-  Aeronautical Charts Presentation
-  Aeronautical Charts Video
-  Aeronautical Charts Quiz
-  Map Legends Presentation
-  Map Legends Quiz
-  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
-  Navigation 1: Flight Planning Review Quiz
-  Question/Discussion Forum: Navigation Flight Planning

17

Navigation 2: Practical Navigation

Topic

17





-  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






























18

Navigation 3: Radio Navigation


Topic


18

-  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
-  Radio Magnetic Indicator (RMI) Presentation
-  RMI Simulator
-  Radio Magnetic Indicator (RMI) Quiz
-  HSI Presentation
-  HSI Simulator (flash)
-  HSI Quiz
-  VOR Presentation
-  VOR Simulator
-  VOR Quiz
-  Distance Measuring Equipment (DME) Presentation
-  Distance Measuring Equipment (DME) Quiz
-  GPS Presentation
-  GPS Quiz
-  Radio and Radar Aids Presentation
-  Radio and Radar Aids Quiz
-  Transponder Presentation
-  Transponder Quiz
-  ADF Fixed Card Intercept Presentation
-  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

 READ BEFORE DOING A PRACTICE EXAM. How do I get a letter of recommendation/record of ground school?


 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...**


The first three exams count towards your course grade. The others are for extra practice if needed.


 Practice Examination 1


 Practice Examination 2

 Practice Examination 3

The next exams are for extra practice or to make up for low scores on the first three attempts.

 Practice Examination 4

 Practice Examination 5

 Practice Examination 6

 Question/Discussion Forum: Practice Examinations

20

"Good to know"

Topic
20

 Dangerous Goods Presentation

 Dangerous Goods Quiz

 New Hire Course

 New Hire Course Presentation Quiz

 Transborder Operations