



ZERO TO REMOTE PILOT IN 2 WEEKS



**BECOME A COMMERCIAL DRONE PILOT
BY STUDYING 1 HOUR PER DAY
FOR 14 DAYS**

Get Part 107 Certified in 2 weeks with our 14-day challenge

This guide is designed to help you earn your Remote Pilot certificate by studying 1 hour each day for 2 weeks. Pick a start date for Day 1 and follow the instructions daily. Set aside between 1h and a 1h15 daily in a quiet room to watch the videos and complete the quizzes. No Facebook, no Instagram, no cell phone. Check each task in the checklist as you complete them. Don't hesitate to re-watch the videos you did not understand fully.

Day 1

Course Intro and Loading & Performance

Course Introduction

- ☐ Instructor & Course Intro
- ☐ Study Material (be sure to download all material linked in the video description)
- ☐ Download the free Flashcard App

Loading and Performance

- ☐ Chapter Overview
- ☐ Download Lecture Notes PDF
- ☐ Responsibilities of rPIC
- ☐ Axes of Rotation

- ☐ Forces of Flight
- ☐ Lift
- ☐ Principles of Lift
- ☐ Newton/Bernoulli
- ☐ Weight
- ☐ Thrust
- ☐ Parasite Drag
- ☐ Induced Drag
- ☐ Stalls
- ☐ Load Factor
- ☐ Stability

Did you download everything?

All the documents you need for the course are available to download right here, for free (see the Study Material video)! The best way to do this is to create a folder on your computer and save the latest PDFs. Be sure you download the entire library:

- ☐ FAA-H-8083-25B: PHAK
- ☐ FAA-G-8082-22: Remote Pilot Study Guide
- ☐ FAA-S-ACS-10B: Remote Pilot Airman Certification Standards Airplane
- ☐ Flying Handbook, Chapter 7
- ☐ AC-107-2A: sUAS Guidance
- ☐ AC-00-6B: Aviation Weather
- ☐ AC-00-45H: Aviation Weather Services
- ☐ FAA Aeronautical Chart's User Guide
- ☐ FAA Radio Communications Phraseology and Techniques (website only)

Day 2

Loading & Performance and Regulation

Loading & Performance (continued)

- ☐ CG Location
- ☐ Moving CG Location - Part 1
- ☐ Moving CG Location - Part 2
- ☐ Exceeding CG Limits
- ☐ Other Factors Affecting Performance
- ☐ Typical FAA Questions
- ☐ Loading and Performance Quiz

Regulation (Post-March 2021)

- ☐ Chapter Overview
- ☐ Introduction

- ☐ 107.1 - Applicability
- ☐ 107.3 - Definitions
- ☐ 107.5 to 107.9
- ☐ Regulation Quiz #1
- ☐ 107.12 - Req't for a Remote Pilot Certificate
- ☐ 107.13 to 107.15
- ☐ 107.17 - Medical Conditions
- ☐ 107.19 to 107.21
- ☐ 107.23 to 107.25
- ☐ 107.27 & 107.59: Alcohol & Drugs
- ☐ Regulation Quiz #2



How to use Lecture Notes

The Lecture Notes were designed to help you take notes during the videos. Print the PDF file before watching a section and take notes as necessary. Do you have a different way of taking notes? No problem, do whatever works for you! You will find a PDF file in the Chapter Overview video of each section.

Day 3

Regulation

☐	107.29. Night Operation	☐	Category 4 UAS
☐	107.31 - Visual Line of Sight	☐	Categories Cheat Sheet
☐	107.33 to 107.35	☐	"Closed/Restricted"
☐	107.37 to 107.39	☐	OOP at Night & Minimum Distances
☐	107.41 to 107.43 - Airspace and Airport Operations	☐	Flying over Moving Vehicles
☐	107.49 - Preflight Familiarization	☐	Regulation Quiz #4
☐	107.51 - Operating Limitations	☐	107.205 - Waiveable Regulation
☐	Automated Operations	☐	Part 48: Registration
☐	107.61 to 107.77	☐	Part 89 - Remote Identification
☐	Regulation Quiz #3	☐	Who must comply with Remote ID
☐	Subpart D Introduction	☐	The Remote ID Message
☐	Subpart D Defining Terms	☐	How does Remote ID work
☐	Category 1 UAS	☐	Operational Requirements
☐	Category 2 UAS	☐	Registration Requirements
☐	Category 3 UAS	☐	NTSB Requirements
		☐	Regulation Quiz #5

✉ Need more information? Email us at contact@pilotinstitute.com



Lastly, you can post and share your course and non-course related questions to our Facebook study group and get feedback from fellow students and course graduates. The group is called "[Part 107 Study Hall for FAA Remote Pilots](#)".

Day 4

Airport Operations

Airport Operations

- | | |
|--|---|
| ☐ Chapter Overview (Download Lecture Notes) | ☐ Operation Near & At Airports |
| ☐ Types of Airports | ☐ Flying the Wire Environment |
| ☐ True vs Magnetic North Runway | ☐ Other Operational Considerations |
| ☐ Orientation (Part 1&2) | ☐ Chart Supplements Intro |
| ☐ Traffic Pattern | ☐ How to use Charts Supplement (all parts) |
| ☐ Segmented Circle | ☐ NOTAM |
| ☐ Traffic Pattern - 3D View Wind Direction | ☐ ATIS |
| ☐ Indicators Airport Signs + 3D view | ☐ Typical FAA Questions |
| ☐ Airport Operations Quiz #1 | ☐ Airport Operations Quiz #2 |
| ☐ Airport Beacon | |

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Day 5

Radio Communications and Airspace

Radio Communications

☐

Chapter Overview

☐

Download Lecture Notes PDF

☐

Alphabet and Figures

☐

Traffic Location & Call Signs

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Untowered Airports - Position Reports

☐

Untowered Airports - CTAF & UNICOM

☐

Untowered Airports - Examples

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Towered Airports

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Who to listen to?

☐

Typical FAA Questions

☐

Radio Communications Quiz

Airspace

☐

Chapter Overview

☐

Download Lecture Notes PDF

☐

General Information

☐

Types of Airspace

☐

Defining a Few Terms (Part 1 & 2)



Weekly News Update

When you signed up for our course, you signed up for much more than just videos on a website. We promised to make this easy on you and this includes making it easy to stay up-to-date with an ever changing industry. This is why we publish a weekly news update video to discuss what happened that's noteworthy. You can find a new video every Friday morning on our YouTube channel. Subscribe to the channel to get notifications when new videos are out.



www.youtube.com/pilotinstitute

Day 6

Airspace

- | | |
|---|--|
| ☐ Controlled Airspace Overview | ☐ Class E: Definitions - Part 1 |
| ☐ Class A & Class B: Definitions | ☐ Class E: Definitions - Part 2 |
| ☐ Class B: Charts View | ☐ Class E Surface Clarification |
| ☐ Class B: 3D View | ☐ Class E: Charts & 3D Views - Part 1 |
| ☐ Class C: Definitions | ☐ Class E: Charts & 3D Views - Part 2 |
| ☐ Mode C Veil | ☐ Class G |
| ☐ Class C: Charts & 3D Views | ☐ Airspace: AGL vs MSL Summary |
| ☐ Class D: Definition | ☐ AGL vs MSL Recap |
| ☐ Class D: Charts & 3D Views | ☐ Airspace Quiz #1 |



Use the quizzes to check your knowledge

I always tell my university students that quizzes and homework are to be used as an evaluation tool. This is not a test. Your grade on the quiz is an indication of how much knowledge you have of the topic. If you do not score well on the quiz, go back and study the videos in more depth. Ask questions if you still don't get it. We're here to help you succeed. You should get at least 80% on the quizzes before moving to the next section. 90% would be even better.

Day 7

Airspace and Charts

Airspace (continued)

- | | |
|---|---|
| ☐ How to determine if you need approval | ☐ Special Flight Rules Area |
| ☐ Special Use Airspace: Prohibited and Restricted Areas | ☐ Wilderness Areas, National Parks & Tethered Balloons |
| ☐ Warning, Military Operation, Alert & Controlled Firing Areas | ☐ Reality versus FAA Test |
| ☐ Recap Special Use Airspace | ☐ Typical FAA Questions - Part 1 |
| ☐ Other Airspace: Temporary Flight Restrictions | ☐ Typical FAA Questions - Part 2 |
| ☐ Stadium and Disney TFR | ☐ Airspace Depiction Review |
| ☐ Parachute Jump Areas | ☐ Airspace Quiz #2 |
| ☐ Military Routes & Special Military Activity | |
| ☐ VFR Routes | |
| ☐ NSA, FRZ, ADIZ | |

Charts

- | | |
|---|---|
| ☐ Chapter Overview | ☐ Sectional Charts |
| ☐ Download Lecture Notes PDF | ☐ Topography & MEF |
| ☐ Types of Charts | |

Day 8

Charts

Charts (continued)

☐	Airport Depiction - Part 1	☐	How to read sectional charts - Part 2
☐	Airport Depiction - Part 2	☐	How to read sectional charts - Part 3
☐	Airspace Depiction Review	☐	Charts Quiz #1
☐	Navigation Aid	☐	Latitude & Longitude
☐	Victor Airways - Part 1	☐	GPS Coordinates
☐	Victor Airways - Part 2	☐	How to read GPS Coordinates
☐	Variation & Obstacles	☐	Typical FAA Questions - Part 1
☐	Other Symbols	☐	Typical FAA Questions - Part 2
☐	How to read sectional charts - Part 1	☐	Charts Quiz #2



Using the Cheat Sheet

By now you have completed half the course, congrats! You already downloaded the Cheat Sheet on Day 1 but if you haven't used it yet, now is a good time. The 11-page document was designed to help you memorize some of the important items for the course. Note that the list is not exhaustive! Use it as an aid during your studies but remember you won't be able to bring it with you during the exam. Commit it to memory to increase your chances of success.

Day 9

Weather Theory - Part 1

Weather Theory

☐

Chapter Overview

☐

Download Lecture Notes PDF

☐

Atmospheric Composition

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Atmospheric Pressure: Intro

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Standard Day

☐

Pressure Altitude

☐

Density Altitude

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Density Altitude Examples

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How is Performance Affected

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Weather Theory Quiz #1

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Wind

☐

Convective Current

☐

Circulation Patterns

☐

Low-Level Wind Shear

☐

Temperature/Dew Point

☐

Frost

Day 10

Weather Theory - Part 2

Weather Theory (continued)

- ☐ How Air Reaches Saturation
- ☐ Weather Theory Quiz #2
- ☐ Ceiling and Visibility
- ☐ Stability of Air Masses
- ☐ Thunderstorms
- ☐ Fronts
- ☐ Structural Icing
- ☐ Weather Theory Quiz #3



Are you using the FlashCard Mobile App

At Pilot Institute, we are proud to be the first and only online ground school to offer a free mobile FlashCard app. Test your knowledge with 110 flashcards specifically designed to help you pass the exam. The app is available on both Apple iOS and Android devices. Search "Part 107 Study Flashcards" to download the app or refer to the download links in the Course Introduction section. When prompted for an email on Card 31, simply enter the email associated with your Pilot Institute account to unlock the other 80 cards.



Day 11

Weather Services

Weather Services

- | | |
|---|---|
| ☐ Chapter Overview | ☐ TAF Intro |
| ☐ General Information | ☐ How to read TAF - Part 1 |
| ☐ Obtain Weather Information | ☐ How to read TAF - Part 2 |
| ☐ METAR Intro | ☐ Typical FAA Questions - Part 1 |
| ☐ How to read METAR - Part 1 | ☐ Typical FAA Questions - Part 2 |
| ☐ How to read METAR - Part 2 | ☐ Typical FAA Questions - Part 3 |
| ☐ How to read METAR - Part 3 | ☐ Weather Services Quiz #2 |
| ☐ METAR Code List | |
| ☐ Weather Services Quiz #1 | |



Did you leave a review yet?

We care about your experience with our courses. If you liked the course so far, please consider leaving a review on TrustPilot, the independent company that handles all our reviews. You can find the review box in the course in 3 places: in the Airport Operations Section after "Airport Signs (3D View)", in the Airspace Section after "How to determine if you need approval", and in the "How to apply for your certificate" Section at the end of the course.

If you have any suggestions for improvement, please email us at contact@pilotinstitute.com and tell us how we can make our classes even better.

Day 12

Aeronautical Decision Making

ADM

- | | |
|---|--|
| ☐ Chapter Overview | ☐ Risk Management - Part 2 |
| ☐ Introduction and History | ☐ Decision-Making Process - Part 1 |
| ☐ Decision-Making Steps | ☐ Decision-Making Process - Part 2 |
| ☐ Crew Resource Management | ☐ Operation Pitfalls |
| ☐ Single-Pilot Resource Management | ☐ Stress Management |
| ☐ Hazard & Risk | ☐ Situational Awareness |
| ☐ Hazardous Attitudes | ☐ Common Accident Factors |
| ☐ Risk Assessment and Mitigation | ☐ Typical FAA Questions |
| ☐ Risk Management - Part 1 | ☐ Aeronautical Decision Making Quiz |



Time to schedule your exam

You're almost done with the course, it is time to schedule your exam with an FAA approved testing center. Locking in a date might be the best way to stay motivated and maximize knowledge retention. Visit <https://faa.psiexams.com> to find a testing center near you. Note that the exam fee is \$160 and none of this money (unfortunately) comes to us. Be sure to give yourself enough time to complete a few additional practice exams before heading to the testing center.

Day 13

Physiological Factors, Night Training and Maintenance & Inspections

Physiological Factors

- ☐ Chapter Overview
- ☐ Introduction
- ☐ Hyperventilation
- ☐ Stress & Fatigue
- ☐ Dehydration & Heat Stroke
- ☐ Drugs & Alcohol
- ☐ Vision and Flight
- ☐ Typical FAA Questions
- ☐ Physiological Factors Quiz

Night Operations

- ☐ Night Operations Introduction
- ☐ Night Regulation
- ☐ Vision in Flight
- ☐ Dark Adaptation
- ☐ Coping with Stress
- ☐ Night Illusions (Part 1)
- ☐ Night Illusions (Part 2)
- ☐ Operating at Night
- ☐ Losing VLOS
- ☐ About Strobe lights
- ☐ Submit Airspace Requests
- ☐ Night Operations Quiz

Day 13

Physiological Factors and Maintenance & Inspections

Maintenance & Inspections

- ☐ Chapter Overview
- ☐ Introduction and Definitions
- ☐ The Importance of Maintenance
- ☐ Preflight Recommendations - All Parts
- ☐ Emergency Planning
- ☐ Lithium Battery Fires
- ☐ Safe Handling of Lithium Batteries
- ☐ Loss of Control Links & Flyaways
- ☐ Typical FAA Questions Maintenance &
- ☐ Inspections Quiz



Become a Brand Ambassador

We believe that the thousands of satisfied customers who graduate from our courses each year are our best asset to help educate the UAS industry. A qualified and safe workforce means we can all continue to work without additional unnecessary regulation or restrictions. And the key is education. If you help us spread the word, we want to reward you for your time. We will share 20% of all sales that you drive to our website. This could easily pay for your written test, your next set of ND filters, or a new drone, or become a monthly additional source of revenue. Our top ambassadors will also qualify for preferential pricing and free merchandise.

Contact us at ambassador@pilotinstitute.com to apply.

Day 14

Practice Exam and How To Apply For Your License

- ☐ What's the Exam Like
- ☐ About the Practice Exam
- ☐ Unlimited FAA Practice Exam
- ☐ Scheduling the Exam
- ☐ How to apply for the certificate
- ☐ Staying Current
- ☐ Share your success story



Bonus videos

Congratulations on getting to the end of this challenge. We know it wasn't easy but if it were, everybody would do it! You are now equipped with the necessary knowledge (and more) to become a Remote Pilot. When you're done watching the course videos, don't forget to watch the Bonus videos to help you start flying as a Commercial drone pilot. Also don't forget to tell us how you did on the exam, we always love to hear success stories.