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ZERO TO REMOTE Pilot in 2 weeks



BECOME A COMMERCIAL DRONE PILOT By Studying 1 Hour Per Day For 14 Days

🐋 pilotinstitute

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

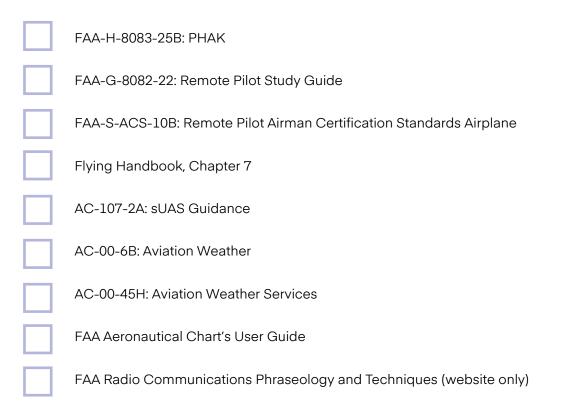
Forces of Flight

Course Introduction

Instruc	ctor & Course Intro		Lift
	Material (be sure to download		Principles of Lift
all mat descri	terial linked in the video ption)		Newton/Bernoulli
Downl	oad the free Flashcard App		Weight
Loading a	and Performance		Thrust
J			Parasite Drag
Chapt	er Overview		Induced Drag
Downl	oad Lecture Notes PDF		Stalls
Respo	nsibilities of rPIC		Load Factor
Axes c	of Rotation	П	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:



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Loading & Performance and Regulation

Loading & Performance (continued)

			107.1 - Applicability
	CG Location	$\overline{\Box}$	107.3 - Definitions
	Moving CG Location - Part 1		107.5 to 107.9
	Moving CG Location - Part 2		Regulation Quiz #1
	Exceeding CG Limits		107.12 - Req't for a Remote
	Other Factors Affecting Performance		Pilot Certificate
	Typical FAA Questions		107.13 to 107.15
	Loading and Performance Quiz		107.17 - Medical Conditions
			107.19 to 107.21
Regu	Ilation (Post-March 2021)		107.23 to 107.25
	Chapter Overview		107.27 & 107.59: Alcohol & Drugs
	Introduction		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.



Regulation

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

Need more information? Email us at <u>contact@pilotinstitute.com</u>

f 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 <u>"Part 107 Study Hall for FAA Remote Pilots"</u>.



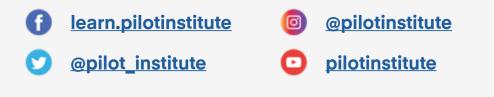
Airport Operations

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	

Follow us on social media

We put out new content all the time, including videos, new courses, articles, podcast episodes, etc... Follow us on social media to stay updated!





Radio Communications and Airspace

Radio Communications

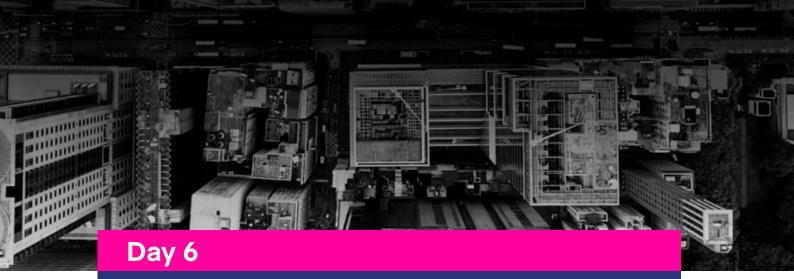
_			
	Chapter Overview		Typical FAA Questions
	Download Lecture Notes PDF		Radio Communications Quiz
	Alphabet and Figures		
	Traffic Location & Call Signs	Airs	bace
	Untowered Airports - Position Reports		Chapter Overview
	Untowered Airports - CTAF & UNICOM		Download Lecture Notes PDF
	Untowered Airports - Examples		General Information
	Towered Airports		Types of Airspace
	Who to listen to?		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





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.



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 Typical FAA Questions - Part 2
	Other Airspace: Temporary Flight Restrictions	Airspace Depiction Review
	Stadium and Disney TFR	Airspace Quiz #2
	Parachute Jump Areas	
	Military Routes & Special Military Activity	
	VFR Routes	
	NSA, FRZ, ADIZ	
Chai	rts	



Chapter Overview



Sectional Charts

Download Lecture Notes PDF

- 1	Topog

Topography & MEF

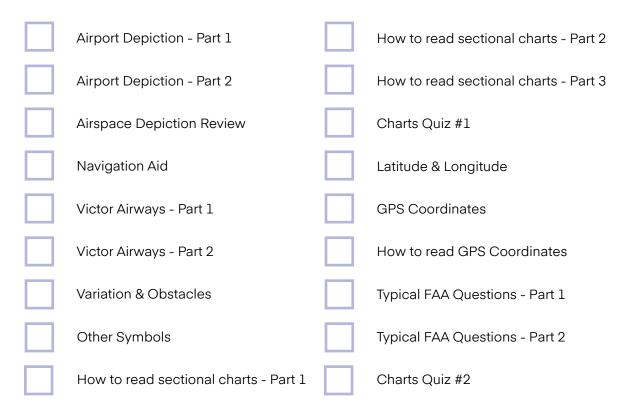


Types of Charts



Charts

Charts (continued)



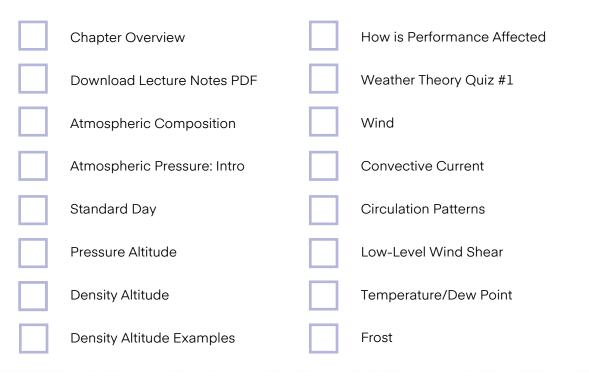
¹ Using the Cheat Sheet

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.



Weather Theory - Part 1

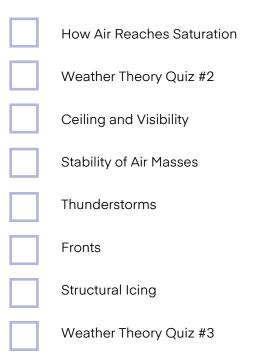
Weather Theory





Weather Theory - Part 2

Weather Theory (continued)





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.





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 <u>contact@pilotinstitute.com</u> and tell us how we can make our classes even better.



Aeronautical Decision Making

ADM

Day 12

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.



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Physiological Factors, Night Training and Maintenance & Inspections

Physiological Factors

Night Operations

Chapter Overview	Night Operations Introduction
Introduction	Night Regulation
Hyperventilation	Vision in Flight
Stress & Fatigue	Dark Adaptation
Dehydration & Heat Stroke	Coping with Stress
Drugs & Alcohol	Night Illusions (Part 1)
Vision and Flight	Night Illusions (Part 2)
Typical FAA Questions	Operating at Night
Physiological Factors Quiz	Losing VLOS
	About Strobe lights
	Submit Airspace Requests
	Night Operations Quiz



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.



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.

