

# **CFI Bootcamp**

*Flight Instructor Training*

CFI Training

# Saving Money Using Our Products

You'd be surprised how much

## Saving Money Using Our Products

How can spending money save me money?

Saving on ground instruction

## Saving Money Using Our Products

How can spending money save me money?

Being better prepared for a flight lesson – saves cash!

## Saving Money Using Our Products

How can spending money save me money?

Not creating lesson plans – Saves time, eventually \$\$

## **Saving Money Using Our Products**

**People ask the same question – A lot**

How do I study for the CFI?

# Saving Money Using Our Products

People ask the same question – A lot

The answer is with Structure

## CFI CLASS

### Class Schedule - **TIMES ARE UTC – KPAO -8, KOPF -5 hrs**

#### **Day 1**

1600 - 1650	iPad or Laptop Setup – Dropbox/Essential Apps. Using a Syllabus. ForeFlight for Class use and Teaching. Using an online course for the aeronautical knowledge/ground training part of a Syllabus. Preflight briefings.
1700 - 1750	Creating a lesson plan. FAA resources. Teaching at various levels.
1800 - 1850	FAR 61 Subpart A- General. NTSB 830.
1900 - 1950	FAR 61 Subpart B Aircraft Ratings and Pilot Authorizations. How to use Airspace Flash Cards and group practice (15 min.) Methods to Assess Knowledge and Skill.
2000 - 2100	Lunch.
2100 - 2150	Fundamentals of Instructing Chapter 1, 9 and 10 – Risk Management and Teaching Risk Management. Using a FRAT. Teaching Methods and Techniques of Flight Instruction.
2200 - 2250	Group work on Airforce briefings with the Private Pilot Syllabus.

#### **Day 2**

1600 - 1750	FAR 61 - Subpart C - Student Pilot Regulations, Using AC61-65H (Group work on Scenarios.)
1800 - 1850	Fundamentals of Instructing Chapter 2 – Human Behavior and Chapter 4 – Effective Communication.
1900 - 1950	Fundamentals of Instructing Chapter 3 part one – The Learning Process.
2000 - 2100	Lunch.
2100 - 2250	Group work – Presenting lesson plans to your group.

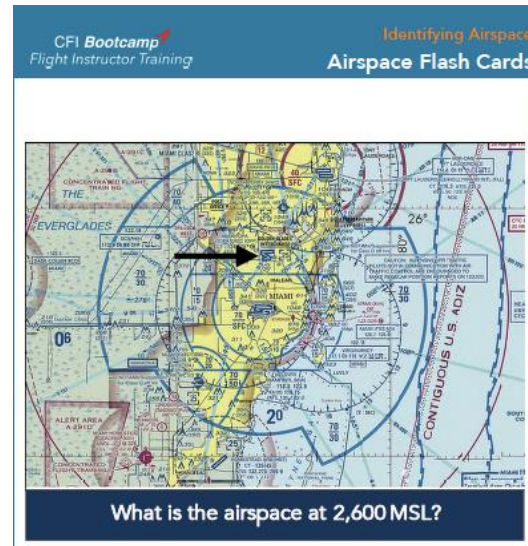
#### **Day 3**

1600 - 1650	FAR Part 61 Subpart D Recreational Pilots and Subpart E – Private Pilots Training, endorsement and testing requirements.
1700 - 1750	FAR Part 61 Subpart F – Commercial Pilots. Training, endorsements and testing requirements.
1800 - 1950	Additional Category and Class Ratings. Training, endorsements and testing requirements. Scenarios for Training, endorsing and testing – Recreational, Private, Commercial and Additional Category and Class Ratings.
2000 - 2100	Lunch.
2100 - 2150	Scenarios for Training, endorsing and testing – Recreational, Private, Commercial and Additional Category and Class Ratings.
2200 - 2250	Group work – Presenting lesson plans to your group.

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## Airspace Flash Cards



Answer:

Class E

Explanation:

Class D over Opa Locka goes up to 2500 MSL and the overlying Class B starts at 3000 and ends at 7000 MSL. In between Class D and Class B is Class E.

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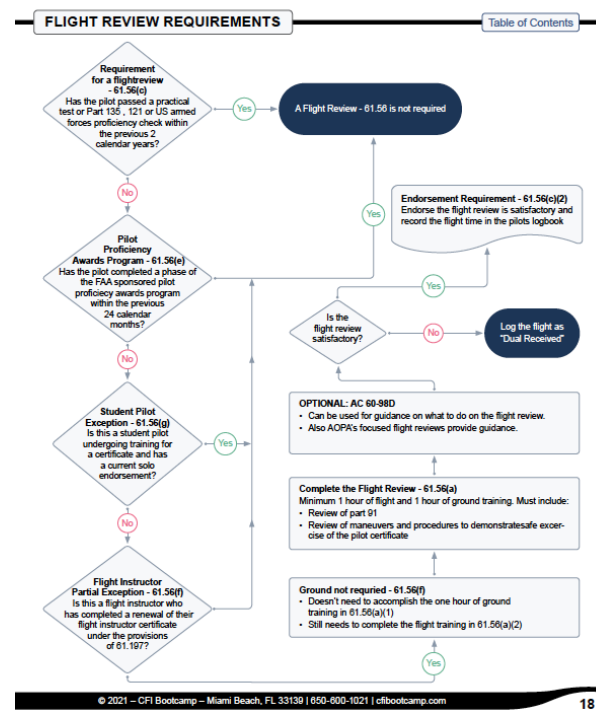
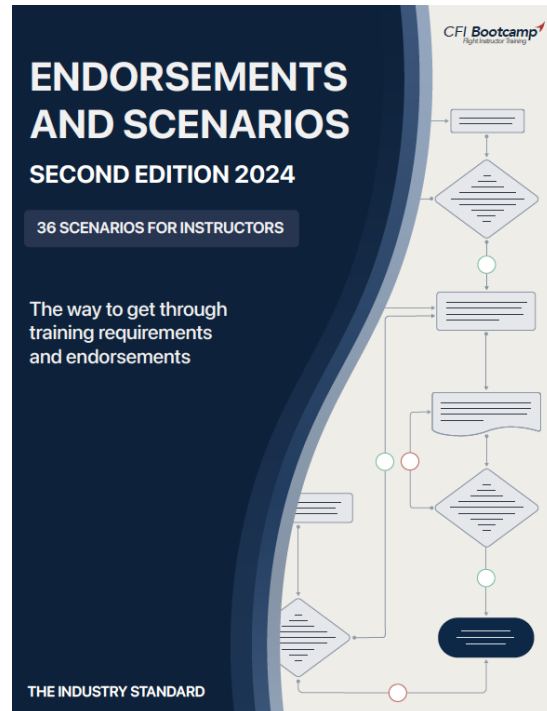
Another common question theme...

What about a Commercial Glider pilot that wants to add  
Airplane Single Engine Land – What do I do?

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Endorsements and Scenarios – Price increase soon



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## Flight Instructor Lesson Plans



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**Steep Turns**  
CFI LESSON PLANS

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**Objective**

To perform a 360-degree level turn using between 45 - 50 degrees bank while maintaining altitude, airspeed, and coordination.

**Motivation**

Develops smoothness, coordination, orientation, division of attention, and control techniques to control the increase in load factor and stall speed. This maneuver can be used to avoid an encounter with clouds, terrain, or other aircraft.

**Presentation: 20 Minutes**

1. Aerodynamics review of turning flight including increases in load factor and stall speed and accelerated stalls.
2. How load factor increases with bank angle - Note how after bank angles of greater than 45 degrees load factor increases substantially with even small increases in bank angle.
3. Determining maneuvering speed, including changes in weight.
4. Identification of reference points and heading.
5. Adverse yaw and how to use rudder to stop it.
6. Use of horizon to determine bank and the different sight pictures in left / right turns.
7. Maintaining altitude with elevator and airspeed with power.
8. Use of trim in a turn.
9. Overbanking tendency.
10. Left turning tendencies and the use of rudder in the turn.
11. Anticipating rolling out. (1/2 bank angle in degrees)

**Key Points:**

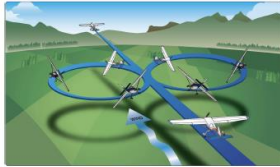
- Load factor and stall speed increase quickly over banks angles of 50 degrees.
- Adverse yaw happens anytime the ailerons are deflected.
- Elevator controls altitude and power controls airspeed.
- During the turn right rudder will be needed to stop the left-turning tendencies.

**Steep Turns**  
CFI LESSON PLANS

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**Risk Management** - Teach how to identify, assess and mitigate risks encompassing the following:

1. Failure to divide the attention between airplane control and orientation.
2. Task management.
3. Energy management.
4. Accelerated stalls.
5. Spins.
6. Failure to maintain situational awareness.
7. Collision avoidance, scanning, and obstacle avoidance.
8. Failure to maintain coordinated flight.



**Questions for the Student:**

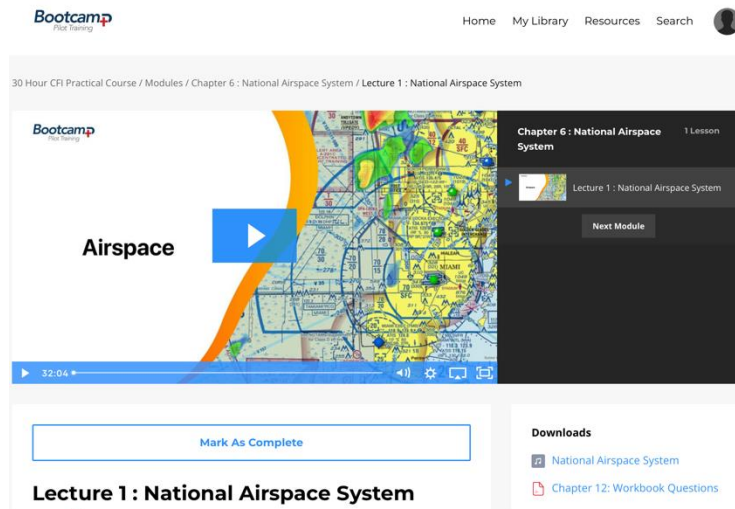
1. What elevator, aileron and rudder control inputs will be necessary to maintain altitude during a steep turn?
2. What is the minimum bank angle required for a steep turn for a commercial pilot? Private pilot?
3. When should the rollout begin to be wings level at the 360-degree point of the maneuver?
4. What kinds of elevator control pressures will be required when entering, and maintaining the steep turn?
5. What visual references should the pilot use during the turns to maintain altitude?

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## Products that take you from Zero

## Online CFI Course – 42 hours – Video based



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**Products that take you from Zero**

Assessment/Workbook embedded in the course

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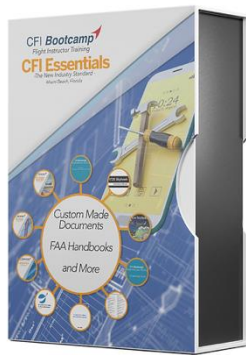
**Products that take you from Zero**

Includes CFI Essentials - \$400 value

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Products that help you now and you'll use when you are a CFI

### CFI Essentials



CFI Essentials | Our Custom  
Training Aids and FAA  
Resources | Instant Download

\$325.00

Add to Cart

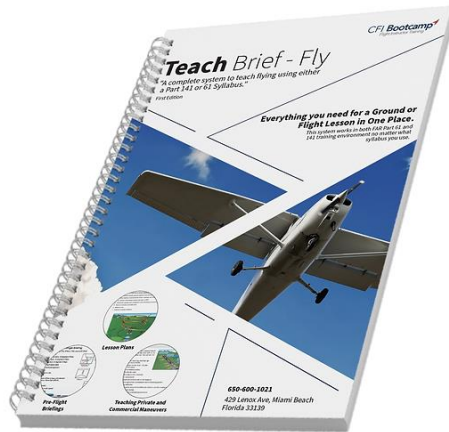


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### Teach Brief-Fly!



Teach Brief - Fly

\$159.99

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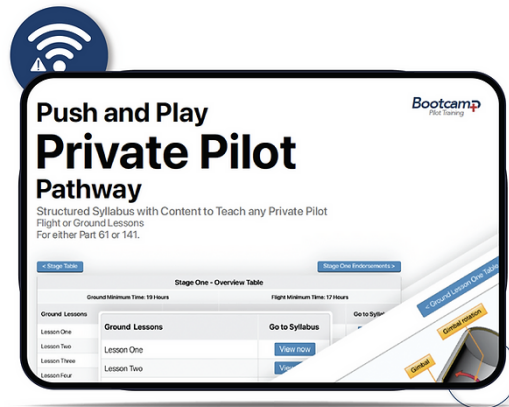
## **Saving Money Using Our Products**

**Products that help you now and you'll use when you are a CFI**

Teach Brief-Fly! Student Guide

# Saving Money Using Our Products

## Products that help you now and you'll use when you are a CFI



### Private Pilot Pathway Syllabus

\$499.00

Add to Cart



The Private Pilot Pathway also includes CFI Essentials.

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