CAREER FLIGHT TRAINING & AIRCRAFT RENTAL, INC.

CFTAR

239.398.0260 CFTAR.ORG

TRAINING SYLLABUS

PRIVATE PILOT

SINGLE ENGINE LAND

Estimated Costs

C152 @ $110 an hour —$ 9,314 to include publications, medical, and check-ride

C172M @ $145 an hour —$10,864.50 to include publications, medical, and check-ride

Student Information

LAST NAME, FIRST NAME_____, _____

ADDRESS_____

EMAIL_____

PHONE_____

INTRODUCTION

This training syllabus is designed to optimize the training effort between the instructor(s) and student. The plan is for one to obtain her/his rating in under 50-hours of training. Of course this is determined by the fidelity for which one puts into the training time. The goal is for each area to be fully understood by the trainee, and for her/him to seek additional help from the recommended resources or outside sources. The instructor's role is to facilitate the training process and ensure that the trainee is able to operate within her/his prescribed limitations. Safety is paramount in all operations. It is important for the trainee to know and understand her/his limitations.

Enclosed is a recommended resources list. This includes equipment and knowledge based resources. The optional marked items can ease in the understanding of the material; however, the Pilots Handbook of Aeronautical Knowledge (PHOAK), the Airplane Flying Handbook (AFH), and the Airmen Certification Standards (ACS) covers the knowledge that one is required to learn for their rating. The other items may go further in-depth than the required pubs. It is recommended that the student have a flight bag for her/his charts and publications needed in flight and flight gear, and the trainee have a book bag for the other books for which she/he should bring to every training session.

The syllabus is designed with post reading recommendations to either solidify knowledge or introduce them to the next training session. The instructor or student may alter the sequence of training modules to tailor to the student's needs.

This outline will maximize the efficiency of the training process. The goal is for the student to take full ownership of the training process and wean herself/himself from the instructor as soon as safely possible. The student should have the aircraft prepared and all preflight data accomplished as soon as the instructor authorizes them to do so. This will save money with ground training charges.

This syllabus is an estimate. With the estimates the student will pay a total of $3564 in instructor charges for ground in flight. This is an estimate of 26.1 ground hours and 33.3 dual instruction hours in the aircraft. The cost for the aircraft will either be $4430.00 (CH2000 @$100 an hour) or $5980.50 (C172M @ $135 per hour). This leaves a total cost of $7994.00 for the CH2000 and $9544.50 for the C172M. Also, the client may split the difference between the two aircraft. One would have to have a body weight of under 170 pounds to train in the CH2000. These costs do not include approximately $600 needed for equipment and publications, $120 for the third class medical, and the $600 for the actual check-ride.

It is recommended to fly at least 3 times a week to ensure consistency with instruction. It is estimated that for each 7-days that you go without flying then you are set back 2 to 3 hours in your overall training plan. Of course this varies depending on when you take the break. For example, if you finish the solo phase and then take a break before your cross-country training, then the training may be consolidated when you resume.

Enjoy your endeavor to earning your privilege to fly the skies. Make the best of each training session and assist CFTAR with your learning environment. Remember that you are the customer and in charge of instructor and flight school selection. At no time are you indebted to CFTAR for your training needs. Any training completed with CFTAR will transfer to another school of your choosing. Lastly, flight training is a life changing event that you must totally immerse yourself in for the maximum product of safety and completion.

RECOMMENDED RESOURCES

- Head-set — prices range from $100 to $1,200 for headsets. Comfort, sound and accessories are the main cost considerations.
- Pilot's Handbook of Aeronautical Knowledge (2016) — Internet (FAA.GOV) and/or Hard Copy — https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/phak/
- Airplane Flying Handbook (2016) — Internet/and or Hard Copy — https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/airplane_handbook/
- (Optional) Jeppesen Guided Flight Discovery Private Pilot 2010
- (Optional) Rod Machado's Private Pilot Handbook
- Gleim Private PIlot FAA Knowledge Test Prep Book
- Gleim Private Pilot FAA Knowledge Test Prep Internet Software Interaction Course
- E6B computer
- Plotter
- Foggles
- Kneeboard
- Logbook
- Private Pilot Airplane Airman Certification Standards — Internet or Hard Copy (recommended) — https://www.faa.gov/training_testing/testing/acs/media/private_airplane_acs.pdf
- Private Pilot Oral Exam Guide — Hard Copy.
- Miami Sectional
- Airport Facility Directory
- FAR/AIM — Current Year Hard Copy
- Airplane Operating Handbook (Applicable Aircraft)
- AOPA.org

FLIGHT LESSON 1 (Dual)

GROUND x 0.5 HOURS

- ☐ Discuss citizenship requirements and documents needed (Birth Certificate or VISA) and photo ID
- ☐ Discuss medical disqualifications and criminal record consequences
- ☐ Discuss costs and frequency of invoicing/payment
- ☐ Discuss Chapter 3 Airplane Flying Handbook "Attitude Flying" (Figures 3-6 through 3-8)
- ☐ Discuss Towered and Non Towered Airport differences
- ☐ Discuss Controls and Axis of Flight for each
- ☐ Discuss Bernoulli's Principle and Newton's 3rd Law
- ☐ Introduce AOPA.ORG Know Before You Go Course — how to access

FLIGHT x 0.5 TO 0.8 HOURS

- ☐ Safety Briefing
- ☐ Taxi Operations — Instructor Demonstrate and Pilot Perform
- ☐ Take-off Vx versus Vy demonstration
- ☐ Straight and level flight using Chapter 3 "attitude" principles
- ☐ Climbs using Chapter 3 "attitude" principles
- ☐ Descents using Chapter 3 "attitude" principles
- ☐ Trim overview and usage.
- ☐ Turns while straight and level
- ☐ Turns while climbing and descending

POST FLIGHT

- ☐ Post flight
- ☐ Logbook
- ☐ Scheduling

Instructor Notes:

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Post Reading Recommendations:

Airplane Flying Handbook Chapters 1 through 3.

Gliem Study Unit 1 (Airplanes and Aerodynamics)

AOPA.ORG — Complete Essential Aerodynamics Course

Pilots Handbook of Aeronautical Knowledge Chapter 2 (Aircraft Structure)

	EST	ACT
Ground time CF	0.0	_____
Ground today	0.5	_____
Ground Total	0.5	_____

	EST	ACT
Flight time CF	0.0	_____
Flight Today	0.8	_____
Flight Total	0.8	_____

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 2 (Dual)

GROUND x 1.0

- ☐ Discuss Chapter 3 from Airplane Flying Handbook
- ☐ Discuss Gleim Study Unit One
- ☐ Discuss I, Task A of ACS — Pilot Qualifications
- ☐ Discuss I, Task B. of ACS — Airworthiness Requirements
- ☐ Discuss I, Task G of ACS — Operation of Systems
- ☐ Discuss POH and Checklist
- ☐ Discuss Vy and Vx speeds
- ☐ Flight Instructor demonstrates Preflight and Discusses Gleim Study Unit 1 Principles
- ☐ Flight Instructor verifies citizenship and makes copies of required documents (Birth Certificate/VISA and Photo ID)

FLIGHT x 1.0 TO 1.5

- ☐ Flight Instructor demonstrates checklist usage, start-up, taxi, and run-up techniques
- ☐ Climbs using Vy and Vx +10/-5 knots per aircraft POH
- ☐ Turns +/- 10-degrees
- ☐ Level off +/- 100 feet
- ☐ Trim
- ☐ Descents With and Without Flaps +/- 100 feet
- ☐ Integrated Flight Instruction
- ☐ Clearing Procedures
- ☐ Heading and Altitude Control +/- 10-degrees and +/- 100 feet
- ☐ Flight Instructor Discusses and Demonstrates Traffic Pattern Entry and Positions
- ☐ Post Flight

Instructor Notes:

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Post Reading Recommendations:

Airplane Flying Handbook Chapter 7 (Traffic Patterns)

P**HOA**K Weather Theory and Aviation Weather Services (Overview Only)

Practice Test Session Study Unit 1 Gleim until 90% accuracy rate

Read Gleim Study Unit 2 Airplane Instruments, Engines, and Systems

AOPA.ORG — Complete Engine and Propeller and Pneumatic Systems

	EST	ACT
Ground time CF	0.5	_____
Ground today	1.0	_____
Ground Total	1.5	_____

	EST	ACT
Flight time CF	0.8	_____
Flight Today	1.5	_____
Flight Total	2.3	_____

Instructor Signature_____

Student Signature_____

GROUND LESSON 1 X 1.0 HOURS

- Discuss Pitch, Roll, and Yaw in combination with the Axes
- Discuss Load Factor
- Discuss Critical Angle of Attack
- Introduce ACS I, Task C (Weather Information)
- Demonstrate how to Obtain METAR"s
- Demonstrate Crosswind Component
- Demonstrate how to determine if Airport is VFR
- Discuss diversions
- Discuss Thunderstorms
- Review Traffic Pattern Procedures
- Apply for student pilot certificate in IACRA
- Give information to obtain medical

Instructor Notes:

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Post Reading Recommendations:

Review Chapter 2 in Airplane Flying Handbook

Read Chapter 4 Airplane Flying Hanbook

⇒ Stop on page 4-17 at Upset Prevention and Recovery

Read Chapter 6 Airplane Flying Handbook

⇒ Introduction
⇒ Rectangle Course/Pattern
⇒ Turns Around a Point
⇒ S-Turns

Read Chapter 9 Airplane Flying Handbook

⇒ Steep Turns

Study Practice Questions in Gleim Study Unit 2 Airplane Instruments, Engines, and Systems

	EST	ACT
Ground time CF	1.5	/_____
Ground today	1.5	/_____
Ground Total	3.0	/_____

	EST	ACT
Flight time CF	2.3	/_____
Flight Today	0.0	/_____
Flight Total	2.3	/_____

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 3 (Dual)

GROUND x 0.5

- ☐ Student prepares Preflight for weather and makes a go/nogo decision
- ☐ Student conducts preflight of aircraft

FLIGHT X 1.5

- ☐ Student performs start-up and run-up procedures
- ☐ Depart to training area focusing on Collision Avoidance, Integrated Flight Instruction, and Pilotage/Situational Awareness
- ☐ Flight Instructor demonstrates Steep Turns
- ☐ Flight Instructor Demonstrates Slow Flight and Stalls (PWR-ON and OFF) with Recovery Techniques
- ☐ Flight Instructor Demonstrates Ground Reference Maneuvers
  - ⇒ Rectangle Course/Pattern
  - ⇒ S-Turns
  - ⇒ Turns Around a Point
- ☐ Post Flight
- ☐ Check status on medical

Instructor Notes:

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Post Reading Recommendations:

Review Chapter 2 in Airplane Flying Handbook

Review Chapter 4 Airplane Flying Hanbook
- ⇒ Stop on page 4-17 at Upset Prevention and Recovery

Review Chapter 6 Airplane Flying Handbook
- ⇒ Introduction
- ⇒ Rectangle Course/Pattern
- ⇒ Turns Around a Point
- ⇒ S-Turns

Review Chapter 9 Airplane Flying Handbook
- ⇒ Steep Turns

Conduct Practice Test in Gleim Study Unit 2 until 90% accuracy rate

	EST	ACT
Ground time CF	3.0	_____
Ground today	0.5	_____
Ground Total	3.5	_____

	EST	ACT
Flight time CF	2.3	_____
Flight Today	1.5	_____
Flight Total	3.8	_____

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 4 (Dual)

GROUND x 2.0

- ☐ Student prepares Preflight for weather and makes a go/nogo decision
- ☐ Student conducts Aircraft Preflight
- ☐ Discuss ACS V. Tasks A and B
- ☐ Discuss Checklist and start-up and run-up procedures
- ☐

FLIGHT X 1.5

- ☐ Depart to training area focusing on Collision Avoidance, Integrated Flight Instruction, and Pilotage/Situational Awareness
- ☐ Student Practices Steep Turns
- ☐ Student Practices Slow Flight and Power-ON and OFF stalls
- ☐ Student Practices Ground Reference Maneuvers
- ⇒ Rectangle Course/Pattern
- ⇒ S-Turns
- ⇒ Turns Around a Point
- ☐ Post Flight

Instructor Notes:

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Post Reading Recommendations:

Read Chapter 8 in Airplane Flying Handbook (Approaches and Landings)

Review Chapter 4 Airplane Flying Hanbook

⇒ Stop on page 4-17 at Upset Prevention and Recovery

Review Chapter 6 Airplane Flying Handbook

⇒ Introduction
⇒ Rectangle Course/Pattern
⇒ Turns Around a Point
⇒ S-Turns

Review Chapter 9 Airplane Flying Handbook

⇒ Steep Turns

	EST	ACT
Ground time CF	3.5	/_____
Ground today	2.0	/_____
Ground Total	5.5	/_____

	EST	ACT
Flight time CF	3.8	/_____
Flight Today	1.5	/_____
Flight Total	5.3	/_____

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 5 (Dual)

GROUND x 0.5

- ☐ Student prepares Preflight for weather and makes a go/nogo decision
- ☐ Student conducts aircraft preflight
- ☐ Discuss ACS III. Task B
- ☐ Discuss ACS IV. Tasks A and B
- ☐ Discuss Ground Effect
- ☐ Fuel Consumption and Title 14 FAR 91.151
- ☐ Introduce Airport Data through Airport/Facility Directory

FLIGHT X 1.5

- ☐ Depart to KTNT focusing on Collision Avoidance, Integrated Flight Instruction, and Pilotage/Situational Awareness
- ☐ Conduct Pilotage to KTNT
- ☐ Student enters appropriate frequencies for AWOS/ASOS and CTAF
- ☐ Flight Instructor demonstrates Dragging the Runway with full flaps and at MCA while maintaining ground effect
- ☐ Traffic Pattern altitude is +/- 100 feet and airspeed +/- 10 Knots
- ☐ Conduct Pilotage to KMKY
- ☐ Post Flight

Instructor Notes:

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Post Reading Recommendations:

Review Chapter 8 in Airplane Flying Handbook (Approaches and Landings)

Chapter 14 in PHOAK

AOPA.ORG — Complete the Runway Safety Course

Start on Pre-Solo Exams

	EST	ACT
Ground time CF	5.5	/_____
Ground today	0.5	/_____
Ground Total	6.0	/_____

	EST	ACT
Flight time CF	5.3	/_____
Flight Today	1.5	/_____
Flight Total	6.8	/_____

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 6 (Dual)

GROUND x 0.5

- ☐ Student prepares Preflight for weather and makes a go/nogo decision
- ☐ Student conducts aircraft preflight
- ☐ Discuss Chapter 14 in PHOAK
- ☐ Discuss traffic pattern procedures
- ☐ Discuss Soft Field Take-offs
- ☐ Discuss Short Field Take-offs
- ☐ Discuss Go-Around procedures

From this lesson forward student will have the following accomplished prior to the arrival of the instructor.

1. Aircraft preflighted
2. METARS/WX Briefing

FLIGHT X 1.0

- ☐ Conduct 9 touch and go landings in the KMKY traffic pattern per ACS III (Task B) and IV (A, B, C, E, G, and N)
- ☐ Flight Instructor demonstrates Soft Field Take-off
- ☐ Flight Instructor demonstrates Short Field Take-off
- ☐ Flight Instructor demonstrates Confined Area Take-off
- ☐ Student attempts to conduct normal landings
- ☐ Post Flight

Instructor Notes:

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Post Reading Recommendations:

Glejm Study Unit 3 (Airports, Air Traffic Control, and Airspace

AOPA.ORG — Complete the Know Before You Go Course

PHOAK — Read Chapter 15 (Airspace)

	EST	ACT
Ground time CF	6.0	/_____
Ground today	0.5	/_____
Ground Total	6.5	/_____

	EST	ACT
Flight time CF	6.8	/_____
Flight Today	1.0	/_____
Flight Total	7.8	/_____

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 7 (Dual)

GROUND x 0.5

- ☐ Discuss and provide an overview on Airspace

FLIGHT X 1.0

- ☐ Conduct 9 touch and go landings in the KMKY traffic pattern per ACS III (Task B) and IV (A, B, C, E, G, and N)
- ☐ Student demonstrates Soft Field Take-off
- ☐ Student demonstrates Short Field Take-off
- ☐ Student demonstrates Confined Area Take-off
- ☐ Student attempts to conduct normal landings
- ☐ Post Flight

Instructor Notes:

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Post Reading Recommendations:

Glejm Study Unit 3 (Airports, Air Traffic Control, and Airspace — Practice test until 90% accuracy

AOPA.ORG — Complete Say the Right thing Course

PHOAK — Read Chapter 10 Weight and Balance

	EST	ACT
Ground time CF	6.5	/
Ground today	0.5	/
Ground Total	7.0	/

	EST	ACT
Flight time CF	7.8	/
Flight Today	1.0	/
Flight Total	8.8	/

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 8 (Dual)

GROUND x 0.5

- ☐ Discuss Airspace
- ☐ Discuss Radio Calls in the Pattern for non towered airport
- ☐ Introduce Weight and Balance

FLIGHT X 1.0

- ☐ Conduct 9 touch and go landings in the KMKY traffic pattern per ACS III (Task B) and IV (A, B, C, E, G, and N)
- ☐ Student demonstrates normal take offs and landings
- ☐ Student practices radio calls in pattern at non-towered airport.
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	7.0	/
Ground today	0.5	/
Ground Total	7.5	/

	EST	ACT
Flight time CF	8.8	/
Flight Today	1.0	/
Flight Total	9.8	/

Instructor Signature_____

Student Signature_____

Post Reading Recommendations:

PHOAK — Read and study Class D airspace

Airport/Facility Directory — Review Naples Municipal Airport

Sectional Chart (Miami) — Review the differences between Marco Island Executive Airport and Naples Municipal Airport

Gleim Study Unit 3 (Airports, Air Traffic Control, and Airspace — Practice test until 90% accuracy

FLIGHT LESSON 9 (Dual)

GROUND x 0.5

- ☐ Student Works Weight and Balance prior to flight
- ☐ Review Weight and Balance
- ☐ Discuss Naples Municipal Airspace and requirements
- ☐ Discuss and practice towered radio calls
- ☐ Discuss Transponder operations and the difference between Classes D, C, and B airspaces
- ☐ Introduce Airport Diagram and its use
- ☐ Review runway markings
- ☐ Discuss Study Unit 3 in the Gleim PPL Knowledge Test Prep
- ☐ Discuss Frequencies, Ground and Tower

FLIGHT X 1.5

- ☐ Depart KMKY for KAPF
- ☐ Flight Instructor demonstrates obtaining ATIS and initial radio calls
- ☐ Student practices radio calls in pattern with instructor assistance
- ☐ Conduct 5 touch and go landings in the KMKY traffic pattern per ACS III (Task B) and IV (A, B, C, E, G, and N)
- ☐ Instructor demonstrates unusual attitude recoveries
- ☐ Student conducts unusual attitude recoveries
- ☐ Student demonstrates normal take offs and landings
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	7.5	/_____
Ground today	0.5	/_____
Ground Total	8.0	/_____

	EST	ACT
Flight time CF	9.8	/_____
Flight Today	1.5	/_____
Flight Total	11.3	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations:

PHOAK — Review Runway markings

AFH — Chapter 4 (Maintaining Aircraft Control)

AFH — Chapter 8 (Approaches and Landings)

Review appropriate aircraft POH for rejected landings procedures

Rehearse/chair fly rejected landings or power off stall recovery procedures per the aircraft POH

Gleim Study Unit 3 (Airports, Air Traffic Control, and Airspace — Practice test until 90% accuracy

FLIGHT LESSON 10 (Dual)

GROUND x 0.5

- ☐ Student Works Weight and Balance prior to flight
- ☐ Discuss Rejected Landings (go around procedures)
- ☐ Discuss slow flight versus minimum controllable airspeed
- ☐ Discuss aircraft POH and slow flight speed (5-10 knots above 1G stall speed for aircraft)
- ☐ Discuss Power off stalls
- ☐ Discuss Power on stalls
- ☐ Discuss ACS VII Tasks A, B, C, and D (Slow Flight and Stalls)
- ☐ Discuss ACS IV Tasks C and D (Soft Field take-offs and Landings)

FLIGHT X 1.0

- ☐ Depart KMKY for the training area
- ☐ Student handles radios, taxi, run-up, and departure procedures to the maneuvering area
- ☐ Student selects altitude
- ☐ Instructor/Student maintains headings and altitude +/- 10 knots and +/- 100 feet
- ☐ Instructor/Student conducts Task A Maneuvering during Slow Flight
- ☐ Instructor/Student conducts Task B Power-off Stalls
- ☐ Instructor/Student conducts Task C Power-on Stalls
- ☐ Student navigates back to KMKY
- ☐ Student manages AWOS, radios with CTAF, and traffic pattern entry procedures
- ☐ Instructor assists student with touch and goes with soft-field takeoffs and landings
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	8.0	/_____
Ground today	0.5	/_____
Ground Total	8.5	/_____

	EST	ACT
Flight time CF	11.3	/_____
Flight Today	1.0	/_____
Flight Total	12.3	/_____

Post Reading Recommendations:

Gleim Study Unit 4 — Federal Aviation Regulations

Rod Machado's Private Pilot Handbook — Chapter 6 Regulations — read

AFH — Chapter 5 Short Field Take-off and Maximum Performance Climb

AFH — Chapter 8 Short Field Approaches and Landings

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 11 (Dual)

GROUND x 0.5

- ☐ Discuss Gleim Study Unit 4 (Regulations)
- ☐ Discuss landing problems
- ☐ Discuss traffic pattern flight
- ☐ Discuss Class D operations
- ☐ Discuss Towered Radio procedures — Ground and Tower
- ☐ Discuss ACS IV Tasks E and F (Short Field Take offs and Landings)

From this lesson forward student will have the following accomplished prior to the arrival of the instructor.

1. Aircraft preflighted
2. METARS/WX Briefing
3. Weight and Balance for flight

FLIGHT X 1.0

- ☐ Depart KMKY for KAPF
- ☐ Student handles radios, taxi, run-up, and departure procedures to KAPF
- ☐ Student selects altitude for enroute to KAPF
- ☐ Instructor/Student maintains headings and altitude +/- 10 knots and +/- 100 feet
- ☐ Instructor demonstrates Short Field Take-Off and Landings
- ☐ Student/Instructor performs short field take-offs and short field landings with taxi-backs and ground communication
- ☐ Student performs towered radio procedures with ground and tower with instructor assistance
- ☐ Student navigates back to KMKY
- ☐ Student manages AWOS, radios with CTAF, and traffic pattern entry procedures
- ☐ Student performs touch and goes with short-field takeoffs and landings
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	8.5	/_____
Ground today	0.5	/_____
Ground Total	9.0	/_____

	EST	ACT
Flight time CF	12.3	/_____
Flight Today	1.0	/_____
Flight Total	13.3	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations:

Gleim Study Unit 4 — Federal Aviation Regulations — Practice test questions until 90% accuracy rate

Complete Pre-solo Exams and prepare to discuss with instructor

POH — Memorize Emergency Procedures

FLIGHT LESSON 12 (Dual)

GROUND x 0.5

- ☐ Discuss Emergency Procedures IAW ACS IX Tasks A, B, C, and D
- ☐ Discuss Emergency Procedures IAW POH
- ☐ Review Pre Solo exams

FLIGHT X 1.0

- ☐ Depart KMKY for training area
- ☐ Student handles radios, taxi, run-up, and departure procedures to KAPF
- ☐ Instructor verbally simulates engine fire during crank — engine starts and engine fails to start
- ☐ Student departs for training area and maintains headings and altitude +/- 10 knots and +/- 100 feet
- ☐ Instructor guides student to practice simulated engine failures at altitude
- ☐ Student navigates back to KMKY
- ☐ Student manages AWOS, radios with CTAF, and traffic pattern entry procedures
- ☐ Student performs simulated emergency approaches to landings at KMKY
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	9.0	/_____
Ground today	0.5	/_____
Ground Total	9.5	/_____

	EST	ACT
Flight time CF	13.3	/_____
Flight Today	1.0	/_____
Flight Total	14.3	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations:

Gleim — practice study units 1 through 4 practice tests until 90% accuracy

Pre-Solo Stage Check

☐	Presolo aircraft questionnaire/test	SAT/UNSAT
☐	Presolo KMKY test	SAT/UNSAT
☐	ACS oral knowledge review	SAT/UNSAT
☐	Aircraft Systems	SAT/UNSAT
☐	Preflight Preparation — ACS I A through H.	SAT/UNSAT
☐	Preflight Procedures — ACS II A through F.	SAT/UNSAT
☐	Airport Operations — ACS III A and B	SAT/UNSAT
☐	Runway incursion avoidance	SAT/UNSAT
☐	Take-off — Vr, Vy, or Vx	SAT/UNSAT
☐	Collision avoidance	SAT/UNSAT
☐	Performance Maneuvers	SAT/UNSAT
☐	Slow flight/pwr off and on stalls/ Spin Awareness	SAT/UNSAT
☐	Basic Instrument maneuvers with unusual attitude recovery	SAT/UNSAT
☐	Navigation in area of KMKY and diversion airports	SAT/UNSAT
☐	Simulated emergency landings with precision	SAT/UNSAT

Remarks _____

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Flight Time Total Forward _____

Flight Time Today _____

Flight Time Totals _____

Instructor Signature_____

Student Signature _____

FLIGHT LESSON 13 (Dual/Solo)

GROUND x 0.5

- ☐ Review takeoffs, traffic pattern procedures, and landings
- ☐ Discuss challenges to solo performance

FLIGHT X 5.0 HOURS FOR COMPLETION OF THIS ASPECT OF THE TRAINING

- ☐ Depart KMKY for training area
- ☐ Student handles radios, taxi, run-up, and departure procedures to KAPF
- ☐ Student manages AWOS, radios with CTAF, and traffic pattern entry procedures
- ☐ Student performs traffic pattern flight
- ☐ Student completes solo traffic pattern flight X 3
- ☐ Post Flight

NOTE: THIS FLIGHT CAN BE COMPETED UNTIL SOLO IS PERFORMED, OR THE INSTRUCTOR/STUDENT MAY CHOOSE TO MOVE ON TO THE FOLLOWING UNITS OR TARGET TRAIN WEAK AREAS.

Instructor Notes:

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	EST	ACT
Ground time CF	9.5	/_____
Ground today	2.5	/_____
Ground Total	12.0	/_____

	EST	ACT
Flight time CF	13.3	/_____
Flight Today	5.0	/_____
Flight Total	18.3	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations:

Miami Sectional — Review local area

A/FD — Review local airports

Gleim — Review Study Unit 5 (Airplane Performance and Weight And Balance)

Post Solo
Maneuver Practice

FLIGHT LESSON 14 (Dual)

GROUND x 0.5

- ☐ Discuss take off and landing performance charts
- ☐ Discuss traffic pattern entry
- ☐ Discuss collision avoidance
- ☐ Discuss navigation by pilotage and local area
- ☐ Discuss thunderstorm avoidance and diversion procedures
- ☐ Discuss Gleim SU 5 (Airplane Performance and Weight and Balance)

FLIGHT X 1.0 (Dual)

- ☐ Depart KMKY for training area
- ☐ Student handles radios, taxi, run-up, and departure procedures to KAPF
- ☐ Student manages AWOS, radios with CTAF, and traffic pattern entry procedures
- ☐ Student practices performance maneuvers, slow flight with power off and on stalls, and ground reference maneuvers
- ☐ Student navigates back to KMKY, obtains AWOS, and enters traffic pattern
- ☐ Student performs traffic pattern flight
- ☐ Student completes traffic pattern flight X 3
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	12.0	/_____
Ground today	0.5	/_____
Ground Total	12.5	/_____

	EST	ACT
Flight time CF	18.3	/_____
Flight Today	1.0	/_____
Flight Total	19.3	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations:

Gleim — Practice Study Unit 5 (Airplane Performance and Weight And Balance)

PHOAK — Read Chapter 16 (Navigation)

FLIGHT LESSON 15 (Solo)

GROUND x 0.5

- ☐ Discuss diversion for weather or runway closure
- ☐ Discuss PHOAK Chapter 16 Navigation

FLIGHT X 1.0 (Solo)

- ☐ Depart KMKY for training area
- ☐ Student preflights for weather
- ☐ Student preflights aircraft
- ☐ Instructor verifies preflight for weather and aircraft
- ☐ Students conducts solo flight and leaves the pattern for the training area
  - ⇒ conduct maneuvers comfortable with
  - ⇒ maintain situational awareness
- ☐ Post Flight

This flight is to be conducted as much as necessary for the student to practice the practical test maneuvers to standard. Five-hours are allocated to be used throughout the training process.

Instructor Notes:

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	EST	ACT
Ground time CF	12.5	/_____
Ground today	2.5	/_____
Ground Total	15.0	/_____

	EST	ACT
Flight time CF	19.3	/_____
Flight Today	5.0	/_____
Flight Total	24.3	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations:

Gleim — Practice Study Unit 5 (Airplane Performance and Weight And Balance) for 90% accuracy

ACS — Review III Tasks A and B

ACS — Review V Tasks A and B

ACS — Review VII Tasks A through D

Cross Country Training

FLIGHT LESSON 16 (Dual)

GROUND x 0.5

- ☐ Discuss VOR usage and techniques
- ☐ Discuss Flight Following with APP/CONT or TRACON
- ☐ Discuss inadvertent IMC procedures
- ☐ Discuss Basic Instrument Scan for IFR flight

FLIGHT X 1.5 (Dual)

- ☐ Student departs KMKY and intercepts the 180 radial to CYY
- ☐ Student practices VOR work at CYY or other local VOR
- ☐ Student completes at least 0.5 simulated or actual IMC
- ☐ Student completes unusual attitude recoveries X 4
- ☐ Post Flight

Pre-Reading

ACS — VI Tasks A through D

ACS — VIII Tasks A through F

PHOAK — Review Chapter 15 (airspace)

PHOAK — Review Chapter 14 (Airport Operations)

PHOAK — Review Chapter 16 (Navigation)

This flight may be combined (and is recommended) with night operations

Instructor Notes:

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_____

	EST	ACT
Ground time CF	15.0	_____
Ground today	0.5	_____
Ground Total	15.5	_____

	EST	ACT
Flight time CF	24.3	_____
Flight Today	1.5	_____
Flight Total	25.8	_____

Post Reading Recommendations

ACS — Review VIII Tasks A through F (Basic Instrument Maneuvers

PHOAK — Chapter 16: Review VOR operations

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 17 (Dual)

GROUND x 0.5

- ☐ Discuss VOR usage and techniques
- ☐ Discuss Flight Following with APP/CONT or TRACON
- ☐ Discuss inadvertent IMC procedures
- ☐ Discuss Basic Instrument Scan for IFR flight

FLIGHT X 1.5 (Dual)

- ☐ Student departs KMKY and intercepts the 180 radial to CYY
- ☐ Student practices VOR work at CYY or other local VOR
- ☐ Student completes at least 1.0 simulated or actual IMC
- ☐ Student completes unusual attitude recoveries X 1
- ☐ Instructor demonstrates VOR triangulation
- ☐ Post Flight

This flight may be combined (and is recommended) with night operations

Instructor Notes:

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_____

	EST	ACT
Ground time CF	15.5	/_____
Ground today	0.5	/_____
Ground Total	16.0	/_____

	EST	ACT
Flight time CF	25.8	/_____
Flight Today	1.5	/_____
Flight Total	27.3	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations

ACS — Review VIII Tasks A through F (Basic Instrument Maneuvers

PHOAK — Chapter 16: Review VOR operations

Gleim — Read Study Unit 6 (Aeromedical Factors and Aeronautical Decision Making (ADM)

PHOAK — Read Chapter 17 Aeromedical Factors

FLIGHT LESSON 18 (Solo)

GROUND x 0.0

FLIGHT X 1.0 (Solo)

- ☐ Student practices maneuvers of her/his choice to include touch and goes
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	16.0	/_____
Ground today	0.0	/_____
Ground Total	16.0	/_____

	EST	ACT
Flight time CF	27.3	/_____
Flight Today	1.0	/_____
Flight Total	28.3	/_____

Post Reading Recommendations

Gleim — Practice Study Unit 6 (Aeromedical Factors and Aeronautical Decision Making (ADM) until 60% Accuracy

AOPA.ORG — Complete the "Do the Right Thing" course

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 19 (Solo)

GROUND x 0.0

FLIGHT X 1.0 (Solo)

- ☐ Student practices maneuvers of her/his choice to include touch and goes
- ☐ Post Flight

Instructor Notes:

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_____

	EST	ACT
Ground time CF	16.0	/_____
Ground today	0.0	/_____
Ground Total	16.0	/_____

	EST	ACT
Flight time CF	28.3	/_____
Flight Today	1.0	/_____
Flight Total	29.3	/_____

Post Reading Recommendations

Gleim — Practice Study Unit 6 (Aeromedical Factors and Aeronautical Decision Making (ADM) until 60% Accuracy

Instructor Signature_____

Student Signature_____

Ground Lesson 2

GROUND x 2.0 Hours

- ☐ Instructor assists with basic cross-country navigation calculations
  - ⇒ Course Heading calculations
  - ⇒ Time calculations
- ☐ Airspace Review
- ☐ Instructor instructs completion of Navigation Form of student choice
- ☐ Instructor teaches plotter and E6B operations
- ☐ Diversion
- ☐ Airport planning
- ☐ Cross Country Flight Planning
- ☐ Instructor and student plans practice cross country flight
- ☐ Discuss Flight Plan Form
- ☐ Discuss FSS
- ☐ Discuss and practice VFR flight following procedures
- ☐ Discuss fuel burn and fuel reserve requirements
- ☐ Review ACS I Tasks A through E

Pre Reading Recommendations

Any Source — Airspace Review

PHOAK — Review Chapter 16 (Navigation)

AOPA. ORG — Complete “Flight Service” course

Instructor Notes:

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	EST	ACT
Ground time CF	16.0	/
Ground today	2.0	/
Ground Total	18.0	/

	EST	ACT
Flight time CF	29.3	/
Flight Today	0.0	/
Flight Total	29.3	/

Post Reading Recommendations

Gleim — Practice Study Unit 6 (Aeromedical Factors and Aeronautical Decision Making (ADM) until 60% Accuracy

All sources — plan cross country flight

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 20 (Dual)

GROUND x 1.5 Hours

- ☐ Cross Country Flight Planning Review

FLIGHT X 2.5 Hours (Dual)

- ☐ Complete first Dual X-country Flight
- ☐ Conduct simulated inadvertent IMC procedures X 0.5
- ☐ Post Flight Review of the Cross Country Flight

Instructor Notes:

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	EST	ACT
Ground time CF	18.0	/
Ground today	1.5	/
Ground Total	19.5	/

	EST	ACT
Flight time CF	29.3	/
Flight Today	2.5	/
Flight Total	31.8	/

Instructor Signature_____

Student Signature_____

Post Reading Recommendations

Gleim — Read Study Unit 7 (Weather)

AOPA.ORG — complete “Air Masses and Fronts” course

PHOAK — Read Chapter 12 (Weather Theory)

PHOAK — Review Chapter 17 Vision in Flight and Night Vision Illusions

ACS — Review XI Task A (Night Operations)

FLIGHT LESSON 21 NIGHT FLIGHT ONE (Dual)

GROUND x 0.8 Hours

- ☐ Discuss ACS XI Task A

FLIGHT X 1.5 Hours (Dual)

- ☐ Conduct night flight in local area
- ☐ VOR usage
- ☐ Simulated instruments with unusual attitude recovery X 0.5
- ☐ Traffic Pattern Work with at least 8 full stop landings

Instructor Notes:

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	EST	ACT
Ground time CF	19.5	/_____
Ground today	0.8	/_____
Ground Total	20.3	/_____

	EST	ACT
Flight time CF	31.8	/_____
Flight Today	1.5	/_____
Flight Total	33.3	/_____

Post Reading Recommendations

Gleim — Practice Study Unit 7 (Weather) question until 90% accuracy

Miami Sectional — Plan night cross country over 100-nautical miles

A/FD — Prepare airport information for night cross country

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 22 NIGHT FLIGHT TWO (Dual)

GROUND x 0.8 Hours

- ☐ Discuss ACS XI Task A
- ☐ Cross Country Planning Review

FLIGHT X 1.5 Hours (Dual)

- ☐ Conduct night cross country of at least 100-nautical miles
- ☐ Traffic Pattern Work to complete the remaining 10 full stop night landings

Instructor Notes:

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	EST	ACT
Ground time CF	20.3	/_____
Ground today	0.8	/_____
Ground Total	21.1	/_____

	EST	ACT
Flight time CF	33.3	/_____
Flight Today	1.5	/_____
Flight Total	34.8	/_____

Post Reading Recommendations

Gleim — Practice Study Unit 7 (Weather) question until 90% accuracy

Miami Sectional — Study route to KAPF

A/FD — Study information for KAPF

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 23 (Dual)

GROUND x 0.5 Hours

- ☐ Discuss operations in Class D airspace
- ☐ Practice radio calls for KAPF

FLIGHT X 1.5 Hours (Dual)

- ☐ Instructor supervises flight to KAPF
- ☐ Student performs touch and goes in Class D airspace
- ☐ Student conducts all aspects of flight per safety and regulatory guidelines

Instructor Notes:

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	EST	ACT
Ground time CF	21.1	/_____
Ground today	0.5	/_____
Ground Total	21.6	/_____

	EST	ACT
Flight time CF	34.8	/_____
Flight Today	1.5	/_____
Flight Total	36.3	/_____

Post Reading Recommendations

Gleim — Practice Study Unit 7 (Weather) question until 90% accuracy

Miami Sectional — Study route to KAPF

A/FD — Study information for KAPF

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 24 (Solo)

GROUND x 0.0 Hours

- ☐ Discuss operations in Class D airspace
- ☐ Practice radio calls for KAPF

FLIGHT X 2.5 Hours (Solo)

- ☐ Student conducts solo flight to KAPF
- ☐ Student completes at least three full stop landings with taxi-backs at KAPF

Instructor Notes:

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	EST	ACT
Ground time CF	21.6	/_____
Ground today	0.0	/_____
Ground Total	21.6	/_____

	EST	ACT
Flight time CF	36.3	/_____
Flight Today	2.5	/_____
Flight Total	38.8	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations

Gleim — Practice Study Unit 7 (Weather) question until 90% accuracy

Miami Sectional — Study route to KFMY

A/FD — Study information for KFMY

Flight Planning Sources — Plan flight from KMKY-KFMY-KIMM-KMKY

FLIGHT LESSON 25 (Dual)

GROUND x 1.5 Hours

- ☐ Discuss Class C operations
- ☐ Practice radio calls for Class C operations and flight from KMKY-KFMY-KIMM-KMKY

FLIGHT X 1.5 Hours (Dual)

- ☐ Student completes cross country flight into Class C airspace
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	21.6	/_____
Ground today	1.5	/_____
Ground Total	23.1	/_____

	EST	ACT
Flight time CF	38.8	/_____
Flight Today	1.5	/_____
Flight Total	40.3.	/_____

Post Reading Recommendations

Gleim — Practice Study Unit 7 (Weather) question until 90% accuracy

Miami Sectional — Plan 150 nautical mile Cross Country

A/FD — Plan 150 nautical mile Cross Country

Instructor Signature_____

Student Signature_____

FLIGHT LESSON 26 (Solo)

GROUND x 1.5 Hours

- ☐ Cross Country Planning Review
- ☐ Emergency Procedures Review

FLIGHT X 2.5 Hours (Solo)

- ☐ Student completes 150 nautical mile solo cross-country
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	23.1	/_____
Ground today	1.5	/_____
Ground Total	24.6	/_____

	EST	ACT
Flight time CF	40.3	/_____
Flight Today	2.5	/_____
Flight Total	42.8	/_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations

Gleim — Study Unit 8 (Aviation Weather Services) questions

ACS — Review all ACS sections

Private Pilot Oral Exam Guide — read and study

AFH — Review

FLIGHT LESSON 27 (Dual)

GROUND x 1.5 Hours

- ☐ Mock Oral per ACS

FLIGHT X 1.5 Hours (Dual)

- ☐ Mock Check Ride per ACS
- ☐ Post Flight

Instructor Notes:

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	EST	ACT
Ground time CF	24.6	_____
Ground today	1.5	_____
Ground Total	26.1	_____

	EST	ACT
Flight time CF	42.8	_____
Flight Today	1.5	_____
Flight Total	44.3	_____

Instructor Signature_____

Student Signature_____

Post Reading Recommendations

Gleim — Complete Written Exam

ACS — Review all ACS sections

Private Pilot Oral Exam Guide — read and study

AFH — Review