PILOT RISE
LLC

Certified Flight Instructor Syllabus

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Description:

This course prepares a commercial pilot to become a certified flight instructor. Be sure you have reviewed all piloting information and have all the knowledge needed as a pilot before beginning this course. This course focuses on teaching the knowledge and skills you have already learned to future pilots.

This course consists of three major parts:

- Ground training
- Flight training
- Flight and ground practice with training partner

Objectives:

1. To turn learner CFIs into teachers rather than explainers
2. To review possible forgotten knowledge as a commercial pilot
3. To help learner CFIs obtain their CFI license
4. To prepare the learner CFI for teaching real students effectively and safely

Topics:

Ground Training:

1. Pilot review
2. Fundamentals of instruction
3. Instruction practice

Flight Training:

1. Review
2. Right seat training
3. Teaching practice
4. Spins

Important Notes:

In order to be successful with this course the learner CFI needs to come well prepared. This includes completing the FOI and FIA writtens (the use of Sheppard Air is recommended for the written prep). The learner CFI will also need to have a solid understanding of ALL Private Pilot and Commercial technical subjects.

An online learning packet will be provided to each learner to help them prepare for this course. It will include all resources needed and links to relative resources to find the information needed. The packet will also contain sets of online quizzes in which the learner must score a 100% on each one before starting. Each quiz is open book, and as a CFI, the learner will be expected to always give the student the correct answer, and they should be able to do so by referencing official documentation.

This course is to be completed with two learner CFIs and the CFI. The two learner CFIs will work together and pretend to be students and instructors throughout training for practice. This makes training more affordable and MUCH more effective.

Training Schedule

The schedule includes ground training and flight training. This is not the final schedule, but rather a guide. A lesson and "SELF" study may take place on the same day.

Optional Training Schedules

Training Schedule	Days
Daily training and study	14 - 18
Training and study three days per week	24 - 30 days
Weekend training and weekday study	35 - 45 days
Slow pace training (for those with full time jobs)	45 - 60 days

Lesson	Ground	Flight
0	● Complete review packet prior to starting course ● Take and pass the FIA written ● Take and pass the FOI written	● Review as needed (practice in the right seat with a safety pilot if able)
1 Ground: 3h	● Fundamentals of Instructing ○ E: Instructor Responsibilities and Professional Characteristics ○ F: Risk Management and Aeronautical Decision-Making ○ A: Learning Process ● How to find resources	● Checkout flight to review basic skills (from right seat) ○ Stalls ○ Slow Flight ○ Landings ○ Emergencies

SELF	• Study from previous lesson	• Right seat practice with partner (one on the left practices teaching)
		  ○ Preflight Procedures (V: A-F)
		  ○ Fundamentals (VIII: A-D)
		  ○ Performance Maneuvers (IX: A-D)
		  ○ Ground Reference Maneuvers (X: A-B)
		  ○ Postflight Procedures (XV: A-B)

2 Ground: 3h	• Fundamentals of Instructing (B-D) • Demonstration Teaching (any topic)	

SELF	• Study from previous lesson	• Right seat practice with partner (one on the left practices teaching)
		  ○ Slow flight and Stalls (XI: A-G) [NO SPINS]
		  ○ Basic Instrument Maneuvers (XII: A-E)
		  ○ Emergency Procedure (XIII: A-D)
		  ○ Takeoff, Landings, and Go Arounds: (VII: A-O)

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Ground: 3h
	• Practice Lessons:
	  ○ Fundamentals of Instructing (any)
	  ○ Technical Subject Areas
	  ■ Principles of Flight
	  ■ 14 CFR and Publications
	  ■ Endorsements and Logbook Entires
		• Teaching while flying (right seat - focus on commercial maneuvers)
		  ○ Preflight Procedures (V: A-F)
		  ○ Fundamentals (VIII: A-D)
		  ○ Performance Maneuvers (IX: A-D)
		  ○ Ground Reference Maneuvers (X: A-B)
		  ○ Postflight Procedures (XV: A-B)

SELF	• Study from previous lesson
	• Practice teaching with partner the following topics:
	  ○ Technical Subject Areas
	  ■ Principles of Flight
	  ■ 14 CFR and Publications
	  ■ Endorsements and Logbook Entries
		• Practice teaching from right seat with partner:
		  ○ Preflight Procedures (V: A-F)
		  ○ Fundamentals (VIII: A-D)
		  ○ Performance Maneuvers (IX: A-D)
		  ○ Ground Reference Maneuvers (X: A-B)
		  ○ Postflight Procedures (XV: A-B)

SELF	• Practice teaching with partner the following topics:
	  ○ Fundamentals of Instructing (ALL)
		• Practice teaching from the right seat if needed:
		  ○ Slow flight and Stalls (XI: A-G) [NO SPINS]
		  ○ Basic Instrument Maneuvers (XII: A-E)
		  ○ Emergency Procedure (XIII: A-D)
		  ○ Takeoff, Landings, and Go Arounds: (VII: A-O)

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Ground: 3h
	• Review notes from practice teaching of partner
	• Practice Lessons:
	  ○ Technical Subject Areas
	  ■ Runway Incursions Avoidance
	  ■ Human Factors
	  ■ Airplane Flight Controls
		• Fly AS NEEDED

SELF	• Practice teaching with partner topics as needed • Study Fundamentals of Instructing	• Practice teaching from the right seat as needed

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Ground: 3h
	• Practice Lessons:
	  ○ Technical Subject Areas
	  ■ Navigation (VOR & Pilotage & Dead Reckoning)
	  ■ Flight Planning
	  ■ National Airspace System
		• Practice teaching from the right seat:
		  ○ Navigation (VOR & Pilotage & Dead Reckoning)
		  ○ Lost procedures

SELF	• Practice teaching with partner topics as needed • Study Fundamentals of Instructing	• Practice teaching from the right seat as needed

6
Ground: 3h
	• Practice Lessons
	  ○ Technical Subject Areas
	  ■ Aircraft Performance and Limitations
	  ■ Weight and Balance
		• Training flights AS NEEDED

SELF	• Practice teaching with partner topics as needed • Study Fundamentals of Instructing	• Practice teaching from the right seat as needed

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Ground: 3h
	• Practice Lessons:
	  ○ Technical Subject Areas
	  ■ Operation of Systems
	  • Engine System
	  • Fuel System
	  • Brake System
	  • Flap System
	  • Electrical System
	  • Avionics Systems
	  • Control Systems
	  • Constant Speed Propellers
	  • Cabin Heat and Air
	  • Other Systems
		• Training flights AS NEEDED

SELF	• Practice teaching with partner topics as needed • Study Fundamentals of Instructing	• Practice teaching from the right seat as needed

8
Ground: 3h
	• Practice Lessons:
	  ○ Technical Subject Areas
	  ■ Weather Theory
	  ■ Weather Charts
	  ■ METARs and TAFs
		• SPIN TRAINING
		• Other Training as needed

SELF	● Practice teaching with partner topics as needed ● Study Fundamentals of Instructing ● Review Knowledge of Areas with Partner (Practicing FOI Assessment) ○ Technical Subject Areas ■ Night Operation ■ Supplemental Oxygen ■ Pressurization ○ Preflight Preparation ■ Pilot Qualifications ■ Airworthiness Requirements ○ Air Traffic Control & Radio	● Practice teaching from the right seat as needed

9 Ground: 3h	● Checkride Prep ○ Teach FOI topics: ■ Instructor Responsibilities and Professional Characteristics ■ Risk Management and Aeronautical Decision-Making ■ One other (random)	● Practice checkride (TEACHING) ○ Landings and Takeoffs ■ Performance Takeoff and Landings ■ 180 Power off Approach ○ Fundamentals ■ Straight and Level ■ Level Turns ○ Performance Maneuvers ■ Steep Turns ■ Steep Spiral ■ Chandelles ■ Lazy Eights ○ Ground Reference Maneuvers ■ Turns Around a Point ■ Eights on Pylons ○ Slow Flight and Stalls ■ Slow Flight ■ Normal Stalls ■ Demonstration Stall (random) ■ Spin ○ BAIF (random) ○ Emergency Procedure ■ Emergency Descent
SELF	● Practice teaching with partner topics as needed ● Study Fundamentals of Instructing	● Practice teaching from the right seat as needed

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Ground: 3h
	• Checkride Prep
	  ○ Teach Technical Subject
	  ■ Endorsements and Logbook Entries
	  ■ Runway Incursion Avoidance
	  ■ One other (random)
	  ○ Preflight Preparation (random)
	  ○ Maneuver Lesson (random)
		• Practice checkride for missed items
		• Practice areas as needed from partner notes

SELF	• Prepare for checkride	• As need for checkride prep
11 Ground: 3h	• Final Checkride Prep ○ Review areas as needed • Complete IACRA paperwork and TEACH learner how to use IACRA	
EXTRA	There is room for some extra training as needed.	
CHECKRIDE	**CHECKRIDE**	**CHECKRIDE**