Initial CFI Training
Syllabus
14 CFR 61
STAGE 1, LESSON 1: INTRODUCTION

OBJECTIVE: The objective is to introduce the CFI Applicant to the basic philosophies of instruction and what will be expected throughout the course.

Tasks:
1. Introduction to the CFI Practical Test Standards.
2. Overview of required documentation and CFI library.
3. Ensure that CFI Applicant meets pre-requisites for training.
4. Brief the training requirements of both the CFI and the CFI Applicant.

COMPLETION STANDARDS: The student should understand the training process and complete the CFI library.
STAGE 1, LESSON 2: THE LEARNING PROCESS

OBJECTIVE: The objective is to introduce the CFI Applicant to the fundamentals of instruction using the Aviation Instructor’s Handbook.

Subject Areas:
1. The Learning Process
2. Human Behavior
3. Communication and Barriers to Communication
4. Teaching Methods
5. Lesson Planning Basics

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas.
STAGE 1, LESSON 3: PLANNED GROUND INSTRUCTION

**OBJECTIVE:** The objective is to introduce the CFI Applicant to structured teaching and the implementation of learning principles.

**Subject Areas:**
1. The Teaching Process
2. Building Blocks of Instruction
3. Critique and Evaluation

**Tasks:**
1. The student will create a lesson plan on a basic subject. He or she will present the lesson to the instructor and give a mock critique.

**COMPLETION STANDARDS:** The student should demonstrate knowledge of lesson building and critique methods.
STAGE 1, LESSON 4: INSTRUCTOR RESPONSIBILITIES

**OBJECTIVE:** The objective is to introduce the CFI Applicant to proper Instructor responsibility and characteristics.

**Subject Areas:**
1. Instructor Responsibility
2. Instructor Characteristics
3. Professionalism
4. Liability in Flight Instruction
5. Endorsements
6. Student Records
7. CFI Records

**COMPLETION STANDARDS:** The student should demonstrate knowledge of all subject areas.
STAGE II, LESSON 1: HUMAN FACTORS

OBJECTIVE: The objective is to review key human factors principles and have the applicant apply each to the training environment.

Subject Areas:
1. Medical Certification
2. Hypoxia
3. Hyperventilation
4. Spatial Disorientation
5. Fatigue
6. Stress
7. Alcohol and Drugs
8. Visual Scanning Techniques

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas.
STAGE II, LESSON 2: TASK L – LOGBOOKS AND ENDORSEMENTS

OBJECTIVE: The objective is to introduce the applicant to logbooks and record-keeping requirements.

Subject Areas:
1. Logbook Entries
2. Student Pilot Endorsements
3. Practical Test Endorsements
4. Flight Review
5. Record-keeping Requirements

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas.
STAGE II, LESSON 3: PRINCIPLES OF FLIGHT

OBJECTIVE: The objective is to introduce the applicant to proper instruction of aerodynamic theories and operations.

Subject Areas:
1. Airfoils
2. Load Factor
3. Lift Basics
4. Advanced Aerodynamics
5. Flight Controls

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas.

STAGE II, FLIGHT 1: INTRODUCTION

OBJECTIVE: The objective of this flight is to introduce the student to CFI training, and to orient the student to the right seat of the Cessna 172S.

Subject Areas:
1. Right Seat Orientation
2. Straight and Level Flight
3. Climbs, Turns, Descents
4. Attitude Flying, Pitch and Power Basics
5. Normal Takeoff and Landings

COMPLETION STANDARDS: The student should be able to operate the aircraft without instructor intervention to maintain safe flight. The student will gain knowledge of teaching basic flight skills using attitude flying techniques.
STAGE II, LESSON 4: WEIGHT AND BALANCE

OBJECTIVE: The objective is to introduce the applicant to proper instruction weight and balance principles.

Subject Areas:
1. Aircraft Stability
2. Importance of Weight
3. Importance of Balance
4. Aircraft Performance
5. Density Altitude

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas.
STAGE II, LESSON 5: NAVIGATION

OBJECTIVE: The objective is to ensure knowledge of private pilot navigation techniques and flight planning skills.

Subject Areas:
1. Pilotage, Dead Reckoning
2. Sample Flight Planning
3. Lost Procedures
4. Go/No-Go Decisions
5. Sectional Chart/Airspace Review

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas, and be able to instruct a student on the basics of cross country flight planning using pilotage and dead reckoning.
STAGE II, LESSON 6: SPECIAL OPERATIONS

OBJECTIVE: The objective is to ensure understanding and proper instructional techniques for special operations.

Subject Areas:
1. Night Operations
2. High Altitude
3. Complex Aircraft Training
4. High Performance Aircraft Training

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas, including required training and endorsements.

STAGE II, FLIGHT 2: ORIENTATION

OBJECTIVE: The objective of this flight is to allow the student to gain proficiency in right seat landings, and introduce the student to instructing performance maneuvers

Subject Areas:
1. Steep Turns
2. Attitude Flying, Pitch and Power Basics
3. Normal Takeoff and Landings
4. Soft Field Landings

COMPLETION STANDARDS: The student should be able to operate the aircraft without instructor intervention to maintain safe flight. The student will demonstrate knowledge of attitude flying, including pitch and power settings for the Cessna 172S.
OBJECTIVE: The objective is to ensure knowledge of appropriate flight regulations, as they relate to flight training.

Subject Areas:
1. Part 61
2. Part 91
3. Part 141
4. Transportation Safety Administration Requirements
5. NTSB Regulations

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas, and have the ability to apply regulations to scenarios given by the instructor.
STAGE II, LESSON 8: WEATHER

OBJECTIVE: The objective is to ensure understanding of weather reports and forecasts.

Subject Areas:
1. Basic weather theory
2. Interpreting weather reports and forecasts
3. Overview of all weather charts and text

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas.

STAGE II, FLIGHT 3: SLOW FLIGHT AND STALLS

OBJECTIVE: The objective of this flight is to allow the student to gain proficiency in right seat landings, and introduce the student to instructing slow flight and stall maneuvers in the Cessna 172S

Subject Areas:
1. Attitude Flying, Pitch and Power Basics
2. Normal Takeoff and Landings
3. Slow Flight in all configurations
4. Power-on and Power-off Stalls

COMPLETION STANDARDS: The student should be able to operate the aircraft without instructor intervention to maintain safe flight. The student will demonstrate knowledge of attitude flying, including pitch and power settings for the Cessna 172S.
STAGE II, LESSON 9: SYSTEMS

OBJECTIVE: The objective is to ensure student understanding of systems and equipment found on the Cessna 172S and Cessna 172RG.

Subject Areas:
1. Landing Gear System
2. Propeller System
3. Electrical System

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas.

STAGE II, FLIGHT 4: EMERGENCY PROCEDURES

OBJECTIVE: The objective of this flight is to allow the student to gain proficiency in emergency procedures in the Cessna 172S or Cessna172RG.

Subject Areas:
1. Normal Takeoff and Landing
2. Emergency Procedures
3. Landing Gear Malfunctions
4. Engine Fire
5. Short Field Takeoff and Landing

COMPLETION STANDARDS: The student should be able to demonstrate and instruct emergency procedures.
STAGE II, LESSON 10: AIRWORTHINESS

OBJECTIVE: The objective is to introduce the student to applicable airworthiness regulations.

Subject Areas:
1. Airworthiness Procedures
2. AC 91-67
3. Minimum Equipment Lists

COMPLETION STANDARDS: The student should demonstrate knowledge of all subject areas.

STAGE II, FLIGHT 5: CESSNA 172S REVIEW

OBJECTIVE: The objective of this flight is to allow the student to gain proficiency in the Cessna 172S.

Subject Areas:
1. Normal Takeoff
2. Slow Flight
3. Stall Series
4. Steep Turns
5. Emergency Procedures
6. Ground Reference Maneuvers
7. Short Field Takeoff and Landing
8. Soft Field Takeoff and Landing

COMPLETION STANDARDS: The student should be able to demonstrate and instruct all subject areas to Commercial PTS Standards.