

CFI Initial Ground Log (§ 61.185)

Area	Date	Hours	CFI Signature
The Learning Process			
Elements of effective teaching			
Student evaluation and testing			
Course development			
Lesson planning			
Classroom training techniques			
Aeronautical Private Knowledge Areas (§ 61.105(b))			
(1) Applicable Federal Aviation Regulations of this chapter that relate to private pilot privileges, limitations, and flight operations;			
(2) Accident reporting requirements of the National Transportation Safety Board;			
(3) Use of the applicable portions of the “Aeronautical Information Manual” and FAA advisory circulars;			
(4) Use of aeronautical charts for VFR navigation using pilotage, dead reckoning, and navigation systems;			
(5) Radio communication procedures;			
(6) Recognition of critical weather situations from the ground and in flight, windshear avoidance, and the procurement and use of aeronautical weather reports and forecasts;			
(7) Safe and efficient operation of aircraft, including collision avoidance, and recognition and avoidance of wake turbulence;			
(8) Effects of density altitude on takeoff and climb performance;			
(9) Weight and balance computations;			
(10) Principles of aerodynamics, powerplants, and aircraft systems;			
(11) Stall awareness, spin entry, spins, and spin recovery techniques for the airplane and glider category ratings;			
(12) Aeronautical decision making and judgment; and			
(13) Preflight action that includes - (i) How to obtain information on runway lengths at airports of intended use, data on takeoff and landing distances, weather reports and forecasts, and fuel requirements; and (ii) How to plan for alternatives if the planned flight cannot be completed or delays are encountered.			

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Area	Date	Hours	CFI Signature
Aeronautical Commercial Knowledge Areas (§ 61.125)			
(1) Applicable Federal Aviation Regulations of this chapter that relate to commercial pilot privileges, limitations, and flight operations;			
(2) Accident reporting requirements of the National Transportation Safety Board;			
(3) Basic aerodynamics and the principles of flight;			
(4) Meteorology to include recognition of critical weather situations, windshear recognition and avoidance, and the use of aeronautical weather reports and forecasts;			
(5) Safe and efficient operation of aircraft;			
(6) Weight and balance computations;			
(7) Use of performance charts;			
(8) Significance and effects of exceeding aircraft performance limitations;			
(9) Use of aeronautical charts and a magnetic compass for pilotage and dead reckoning;			
(10) Use of air navigation facilities;			
(11) Aeronautical decision making and judgment;			
(12) Principles and functions of aircraft systems;			
(13) Maneuvers, procedures, and emergency operations appropriate to the aircraft;			
(14) Night and high-altitude operations;			
(15) Procedures for operating within the National Airspace System			