

1.1 GROUND TRAINING COURSE OBJECTIVES

The student will obtain the necessary aeronautical knowledge and meet the prerequisites specified in FAR 61.309 to successfully pass the sport pilot knowledge test.

1.2 GROUND TRAINING COURSE COMPLETION STANDARDS

The student will demonstrate through stage knowledge tests and school records that (s)he meets the prerequisites specified in FAR 61.309 and has the aeronautical knowledge necessary to pass the sport pilot knowledge test.

Lesson	Topic	Min. Time in Hours	Pilot Handbook No. of O/L Pgs.	Sport Pilot Knowledge Test	
				No. of O/L Pgs.	No. of Questions
Stage One					
1	Airports	1.5	37	7	57
2	Airspace	1.5	20	4	43
3	Federal Regulations -- FAR Parts 1 through 71	1.0	29	4	40
4	Federal Regulations -- FAR 91.3 through 91.131	1.0	8	4	38
5	Federal Regulations -- FAR 91.151 through 91.417 and NTSB Part 830	1.0	23	4	49
6	Aeromedical Factors and Aeronautical Decision Making	3.0	26	4	42
7	Aviation Weather	1.5	14	5	60
8	Weather Services	1.5	41	9	67
9	Sectional Charts and Airspace	1.5	11	5	59
10	Navigation and Preflight Preparation	1.5	51	11	49
	Stage One Knowledge Test	1.0			
Stage Two					
11	Airplanes and Aerodynamics	3.0	52	4	39
12	Airplane Instruments	1.5	21	3	46
13	Airplane Engines and Systems	1.5	27	3	43
14	Airplane Performance and Weight and Balance	3.0	28	6	56
	Stage Two Knowledge Test	1.0			
	End-of-Course Knowledge Test	2.5			

1.3 STAGE ONE**Stage One Objective**

The student will learn about the operation of various airplane systems, airport operations, radio communication procedures, and the National Airspace System (NAS). Additionally, the student will become familiar with pertinent Federal Aviation Regulations (FARs) and the accident-reporting requirements of the National Transportation Safety Board (NTSB). The student will gain an understanding of aviation weather and the weather services provided to pilots for safe VFR flight planning. Finally, the student will learn how to plan and execute a safe VFR cross-country flight.

Stage One Completion Standards

Stage One will have been successfully completed when the student passes the Stage One knowledge test with a minimum passing grade of 80%.

proficiency necessary to meet the requirements for a sport pilot certificate with an airplane category rating.

2.2 FLIGHT TRAINING COURSE COMPLETION STANDARDS

The student will demonstrate through the stage checks and school records that (s)he has the necessary flight proficiency and aeronautical experience to obtain a sport pilot certificate with an airplane category rating.

<u>Lesson</u>	<u>Topic</u>	<u>Number of Pages in Reading Assignment</u>
Stage One		
1	Introduction to Flight	84
2	Four Fundamentals of Flight	71
3	Slow Flight and Stalls	26
4	Emergency Operations	34
5	Steep Turns and Ground Reference Maneuvers	32
6	Review	*
7	Go-Around and Forward Slip to a Landing	7
8	Presolo Review	*
9	Presolo Review	*
10	First Solo	*
11	Stage One Check	*
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Stage Two		
12	Second Solo	*
13	Short-field and Soft-field Takeoffs and Landings	20
14	Solo Maneuvers Review	*
15	Dual Cross-Country	*
16	Solo Cross-Country	*
16A	Solo Cross-Country (Part 61)	*
17	Maneuvers Review	*
18	Solo Practice	*
19	Maneuvers Review	*
20	Solo Practice	*
21	Stage Two Check	*
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*Reading assignment consists of review only, no new materials.

SPORT PILOT SYLLABUS GROUND AND FLIGHT LESSON SEQUENCE AND TIMES

The Ground Syllabus follows on pages 11 through 28 and the Flight Syllabus follows on pages 29 through 55.

The following table lists the sequence of the flight and ground lessons and the minimum time for each lesson. The times listed are for instructor/student guidance only and are not meant to be mandatory times. These times will ensure that the minimum time requirements for aeronautical knowledge and flight training are in compliance with FAR Part 61.

Each training flight (solo and dual) must include a preflight briefing and a postflight critique of the student's performance by the instructor. This time will be entered into the logbook as "ground training."

LESSON	Page	Flight			Ground
		Flight Training (Dual)	Solo/PIC	Dual Cross-Country	Solo Cross-Country
STAGE ONE					
Flight 1 Intro to Flight	33	0.5			
Ground 1 Airports	13				1.5
Flight 2 Fundamentals	34	1.0			
Ground 2 Airspace	14				1.5
Flight 3 Slow Flight/Stalls	35	1.0			
Ground 3 Federal Regulations -- FAR Parts 1 through 71	15				1.0
Flight 4 Emergency Operations	36	1.0			
Ground 4 Federal Regulations -- FAR 91.3 through 91.131	16				1.0
Flight 5 Ground Reference Maneuvers	37	1.0			
Ground 5 Federal Regulations -- FAR 91.151 through 91.417 and NTSB Part 830	17				1.0
Flight 6 Review	38	1.0			
Ground 6 Aeromedical Factors and Aeronautical Decision Making (ADM)	18				3.0
Flight 7 Go-around/Slip	39	1.0			
Ground 7 Aviation Weather	19				1.5
Flight 8 Review	40	1.0			
Ground 8 Weather Services	20				1.5
Flight 9 Review	41	1.0			
Ground 9 Sectional Charts and Airspace	21				1.5
Presolo Knowledge Test	56				
Ground 10 Navigation and Preflight Preparation	22				1.5
Flight 10 First Solo	42	0.5	0.5		
Stage One Knowledge Test	23				1.0
Flight 11 Stage One Check	43	0.5			

LESSON	Page	Flight				Ground
		Flight Training (Dual)	Solo/PIC	Dual Cross-Country	Solo Cross-Country	Aeronautical Knowledge Training
STAGE TWO						
Ground 11 Airplanes and Aerodynamics	24					3.0
Flight 12 Second Solo	45	1.0	0.5			
Ground 12 Airplane Instruments	25					1.5
Flight 13 Short/Soft Fld. Operations	46	1.0				
Ground 13 Airplane Engines and Systems	26					1.5
Flight 14 Solo	47		0.5			
Ground 14 Airplane Performance and Weight and Balance	27					3.0
Stage Two Knowledge Test	28					1.0
Flight 15 Dual Cross-Country	48	1.5		1.5		
Flight 16 Solo Cross-Country	49		2.0		2.0	
Flight 16A* Solo Cross-Country	50		1.0		1.0	
Flight 17 Review	51	1.0				
End-of-Course Knowledge Test	28					2.5
Flight 18 Solo	52		1.0			
Flight 19 Review	53	0.5				
Flight 20 Solo	54		0.5			
Flight 21 Stage Two Check	55	0.5				
Part 61 TOTALS		15.0	6.0	1.5	3.0	28.5
		Total Time				

*Part 61 requires a minimum of 2 hours of solo cross-country flight time, including one flight of at least 75 NM total distance with landings at a minimum of two points; one segment of the flight must have a straight-line distance of at least 25 NM between the takeoff and landing locations. Flight 16A is used to meet these solo cross-country and total solo time requirements, only if needed.

AIRPLANE(S) AND LOCAL AIRPORT(S) WORKSHEETS

The airplane(s) worksheet on page 9 is to be used as a study reference of fuel, oil, and airspeeds for the airplane(s) you may use during your training. The local airport(s) worksheet (on page 10) is to be used as a study reference of elevation, radio frequencies, traffic pattern direction, and runway lengths at your primary airport and any other local airports you may use during your training.

AIRPLANE(S) WORKSHEET

N-number	_____	_____	_____	_____	_____
Make & Model	_____	_____	_____	_____	_____
Max. Ramp Wt.	_____	_____	_____	_____	_____
Fuel Capacity	_____	_____	_____	_____	_____
Min. Fuel for Flight	_____	_____	_____	_____	_____
Oil Capacity	_____	_____	_____	_____	_____
Min. Oil for Flight	_____	_____	_____	_____	_____
V_{SO}	_____	_____	_____	_____	_____
V_{S1}	_____	_____	_____	_____	_____
V_R	_____	_____	_____	_____	_____
V_X	_____	_____	_____	_____	_____
V_Y	_____	_____	_____	_____	_____
V_{FE}	_____	_____	_____	_____	_____
V_A	_____	_____	_____	_____	_____
V_{NO}	_____	_____	_____	_____	_____
V_{NE}	_____	_____	_____	_____	_____
Best Glide	_____	_____	_____	_____	_____

LOCAL AIRPORT(S) WORKSHEET

Airport Name	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Identifier	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Elevation	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
ATIS	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Ground	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Tower	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
UNICOM	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Runway	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Length	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Traffic Pattern	Left or Right	Left or Right	Left or Right	Left or Right	Left or Right
Obstructions	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Runway	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Length	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Traffic Pattern	Left or Right	Left or Right	Left or Right	Left or Right	Left or Right
Obstructions	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Runway	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Length	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Traffic Pattern	Left or Right	Left or Right	Left or Right	Left or Right	Left or Right
Obstructions	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Runway	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Length	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Traffic Pattern	Left or Right	Left or Right	Left or Right	Left or Right	Left or Right
Obstructions	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Traffic Pattern Altitude	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>

END OF INTRODUCTION