

	Student Name:	DOB:
	Pre Instruction	
	Obtain Student License	
	Obtain Logbook	
	SSF Wing Runner Course Complete	
	GBSC " <i>Membership Manual</i> " & " <i>Ground Procedures Manual</i> ", SRS, Field Orientation	
	Obtain References: " <i>FAA Glider Flying Handbook</i> " & Knauff, " <i>Glider Flying Training Manual</i> "	
	Introduction to Syllabus and Practical Test Standards	

61.87(c)		Received and logged flight training for the following maneuvers and procedures appropriate to the make and model of solo aircraft and demonstrated satisfactory proficiency as judged by an authorized instructor on the maneuvers and procedures required by this section							
		<u>Maneuvers and Procedures</u>	Discuss	1	2	3	4	5	<u>Demonstrated Satisfactory Proficiency - Instructor Signature</u>
61.87 (i)(1)	1	Preflight planning, WX & Notams & TFRs							
61.87 (i)(13)	2	Assembly, Disassembly and Preflight of glider							
61.87 (i)(2)	3	Taxiing and surface operations							
61.87 (i)(11)	4	Inspection of towline rigging and review of signals and release procedures							
61.87 (i)(3)	5	Launches, normal and crosswind							
61.87 (i)(12)	6	Aerotow, ground tow or self-launch procedures							
61.87 (i)(4)	7	Straight and level flight, turns in both directions							
61.87 (i)(8)	8	Flight at various airspeeds							
61.87 (i)(15)	9	Straight glides, turns and spirals							
61.87 (i)(14)	10	stall entry, stall, stall recovery							
61.87 (i)(10)	11	Ground reference maneuvers if appropriate							
61.87 (i)(7)	12	Descents with and without turns using high and low drag configurations							
61.87 (i)(5)	13	Airport traffic patterns including entry procedures							
61.87 (i)(6)	14	Collision avoidance, windshear avoidance & wake turbulence avoidance							
61.87 (i)(17)	15	Slips to Landings							
61.87 (i)(16)	16	Landings, including normal and crosswind							
61.87 (i)(9)	17	Emergency Procedures and equipment malfunctions							
61.87 (i)(19)	18	Emergency operations including towline break procedures							
61.87 (i)(18)	19	Procedures and techniques for Thermaling							
61.87(b)	20	Aeronautical Knowledge GBSC Pre Solo Test							
Logbook entries - all three									
Authorized for Solo Flight – Student signs back page			Date:	By:					

Instructional Topics

1 - Orientation, Pre/Post-Flight

- 1.0.a Basic aerodynamics AOA
- 1.0.b Basic aerodynamics stability
- 1.1 Primary Flight controls
- 1.2 Secondary flight controls
- 1.3 Flight instruments
 - 1.3.1 Aircraft, Pilot documents
 - 1.3.2 Weight & Balance
 - 1.3.3 Glider performance &
- 1.4 Ground Handling
- 1.5 Preflight Inspection (use
- 1.6 Positive Control Check
- 1.7 Tow rope Inspection

2 - Takeoffs

- 2.0.1 Wing Runner course
- 2.1 Takeoff checklist
- 2.2 Takeoff procedure & signals
- 2.3 Takeoff
- 2.4 Cross wind takeoff

3 - Aerotow

- 3.1 Intro to flying the tow
- 3.2 Flying the tow
- 3.3 Release from tow
- 3.4 Low Tow - Shifting thru wake
- 3.5 Steering turns
- 3.6 Aerotow signals
 - Speed up, slowdown, glider
 - Tow plane rudder waggle
 - Tow plane wave off
- 3.7 Boxing the wake
- 3.8 Slack rope on tow-straight ahead
- 3.9 Slack rope in a turn

4 - Inflight Maneuvers

- 4.1 Transfer of control
- 4.2 Scanning for traffic
- 4.3 Pitch/Speed control
- 4.4 Using the trim control
 - 4.4.1 Straight flight
 - 4.4.2 Adverse yaw
 - 4.4.3 Using the yaw string
- 4.5.1 Shallow turns 15°
- 4.5.2 Medium turns 30°
- 4.6 Precision Turns, turns to a
- 4.7 Airbrakes in flight
 - 4.8.1 Steep Turns 45 °
 - 4.8.2 Very steep Turns 60 °
- 4.9 Circling flight
- 4.10 Crabbing
- 4.11 Forward stall & recovery
- 4.12 Turning stalls & recovery
 - 4.12.1 Cross control stalls
- 4.13 Slow flight
- 4.14 Stalls with airbrakes

4 - Inflight Maneuvers (cont.)

- 4.15 Side slip on final-Alignment
- 4.16 Side slip -Crosswind
- 4.17 Forward slip
- 4.18 Low G maneuvers

5 - Landing Patterns

- 5.1 Landing checklist
- 5.2 Introduction to the pattern
 - 5.2.1 TLAR
- 5.3 Glideslope control using airbrakes
- 5.4 Radio use 5W's
 - 5.4.1 Speeds to fly in the pattern
 - 5.4.2 Wind shear & gradient
- 5.5 Cross wind patterns
- 5.6 Unusual patterns (L & R)
- 5.7 Forward slip with airbrakes
- 5.8 Turning slips
- 5.9 Side Slip the Pattern

6 - Landing

- 6.1 Introduction to the landing
- 6.2 Precision landings
- 6.3 Crosswind landings

7 - Flying in Thermals

- 7.1 Direction of turn
- 7.2 Sharing thermals
- 7.3 Speed control & Centering

8 - Emergency Procedures

- 8.1 Premature Tow release PT³
- 8.2 Simulated rope breaks
 - Straight ahead below 200'
 - 180° turn above 200', 250', 300', ...
 - Abbreviated pattern
- 8.3 Wave off
- 8.4 Power loss during takeoff
- 8.5 Power loss at altitude
- 8.6 Simulated release failure
- 8.7 Spiral dive recovery

9 - Integrated Topics (ADM &

- 9.1.1 Ready for flight (PAVE)
- 9.1.2 Pilot Ready for flight (IMSAFE)

Solo Statement

I certify that I have received training and am competent in all the maneuvers and procedures listed on page 1 of this form and that I have no medical conditions that would prevent me from safely piloting a glider

Student Signature

Date