

SECTION 3.01

SYLLABUS OF GYROGLIDER FLIGHT TRAINING

The following syllabus specifies the minimum standard that is required by ASRA Student Pilots. Qualifying numbers are used to indicate the degree of ability required for each individual item within a particular subject as follows:

CODES

- 1 Assisted by the Instructor, ability to perform the activity correctly.
 - 2 Ability to perform the activity correctly without assistance, under carefully supervised conditions.
 - 3 Without instructional assistance or supervision, ability to perform the activity correctly and adjust actions to cope with emergencies.
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SYLLABUS

	Before Solo	Applicant for Pilot Cert
1. Gyroplane assembly	1	3
2. Preparation for Flight;		
a. Gyroplane documents	1	3
b. Pre-flight inspection	2	3
c. Briefing – Driver, Observer	3	3
3. Ground handling:		
a. Control of direction	2	3
b. Use of brakes (if fitted)	2	3
c. Rotor ground handling techniques	2	3
d. Pre takeoff checks	2	3
4. Operation of Controls		
a. Primary effects of controls	2	3
b. Effect of airspeed	2	3

	Before Solo	Applicant for Pilot Cert
c. Ancillary controls	2	3
(1) Trim	2	3
(2) Emergency tow release	2	3
5. Takeoff:		
a. Hand signals	3	3
b. Into wind	2	3
c. Cross wind	2	3
6. Straight and level flight:		
a. Hand signals	3	3
b. Control of attitude, altitude and direction	2	3
c. Instrument indications	2	3
d. Lookout and separation from other traffic	2	3
e. Recognition of and recovery from PIO (Demonstration prohibited)	2	3
7. Climbing:		
a. Hand signals	3	3
b. At recommended airspeed	2	3
c. Maximum rate	2	3
d. Maximum angle	2	3
e. Instrument indications	2	3
f. Lookout and separation from other traffic	2	3
8. Descending:		
a. Hand signals	3	3
b. At different speeds	2	3
c. Instrument indications	2	3
d. Lookout and separation from other traffic	2	3

	Before Solo	Applicant for Pilot Cert
9. Turning:		
a. Lookout and separation from other traffic	2	3
b. Level flight:	2	3
(1) Medium	2	3
c. Descending turns:	2	3
(1) Medium	2	3
d. Climbing turns	2	3
e. Instrument indications	2	3
10. Slow speed flight:		
a. Indications - Attitude	2	3
b. Instrument indications	2	3
c. Lookout and separation from other traffic	2	3
11. Approach and landing:		
a. Approach – Hand Signals:	3	3
b. Landing:		
(1) Normal	2	3
(2) Cross wind	2	3
12. Emergencies:		
a. Stopping	2	3
b. Tow vehicle/Tow rope failure	2	3
c. Tow rope release	2	3

13. Pre-Pilot Certificate flight test requirements:

A student shall not be flight tested for an ASRA Pilot Certificate (Gyroglider) until he has passed a written examination on Gyroplane Basic Aeronautical Knowledge and Flight Rules and Procedures. The examination will cover the subjects detailed in Section 3.04 of this Manual.