

Student Name:

Training Syllabus—Component Completion				
1	<i>FAMILIARISATION WITH AIRCRAFT</i>	Check	Student	Instructor
	External features - Major components, without excessive detail			
	Cockpit layout - Name each instrument (use checklist)			
	Aircraft systems - Introduction			
	Logbook - How to complete and maintain			
1E	<i>EMERGENCY DRILLS (with respect to ground emergencies)</i>			
	Emergencies carried out as per aircraft Ops Manual			
	Engine fire on ground			
	Electrical cabin fire on ground			
2	<i>PREPARATION FOR AND ACTION AFTER FLIGHT</i>			
	Electrical system			
	Position of aircraft for starting			
	Authorisation			
	External inspection			
	Position of aircraft for starting			
	Entering cockpit			
	Availability of fire extinguishers			
	Seating (comfortable, adequate visibility, able to manipulate controls freely)			
	Internal inspection			
	Pre and after start checks (Student to do first start-up)			
	Power checks			
	<i>The aircraft systems</i>			
	Static system			
	Pitot system			
	Ignition system			
	Hydraulic system			
	Philosophy: Cockpit - flow patterns, memory and action items			
	Checklist: Practical use of, availability			

Student Name:

Training Syllabus—Component Completion

Action after flight

- After landing checks
- Where to park/flight line/refueling
- Shutdown (method)
- Danger of leaving ignition and master on
- Securing the- controls
- Park brake
- Tidying up the cockpit
- Post flight inspection and chocks
- Flight folio and reporting of snags

Check	Student	Instructor

3 *AIR EXPERIENCE (Depending on previous experience)*

- Introduction to the sensation of flight
- New aspect of ground seen from air
- Introduction to attitude flying concept
- Set the tone for all subsequent training
- Radio - Use of formal terminology and standard phraseology to simplify

4 *EFFECTS OF CONTROLS*

- Basic level flight attitude
- Primary effects (Banked and level attitude)
- Secondary effects
- Aileron and rudder coordination -Further effects
- Trimmers (elevator, rudder fixed tab, NB to focus on external attitude)
- Effect of airspeed on the controls: effectiveness, yaw, pitch
- Slipstream
- Throttle: pitch and yaw
- Effect of flap** - coordinated pitch attitude change
- Effect of airspeed on the controls
- Slipstream

5 *TAXYING*

- Inertia: the need for excess power to get moving
- Power reduction once moving to control speed
- Avoid repetitive opening and closing of throttle
- Correct use of power and brakes
- Speed control: acceleration/deceleration
- High speed taxiing, smooth but positive control and correction
- Directional control
- Where to taxi
- Keeping aircraft moving during turns

Student Name:

Training Syllabus—Component Completion

14 **FIRST SOLO**

Briefing: differences in handling of lighter aircraft - what to expect
Debrief
Completion of logbook

Check	Student	Instructor

15 **ADVANCED TURNING**

Steep Turns

45 Degrees - attitude control, maintaining adequate back pressure
Maintaining bank angle, accuracy of height control
Spiral dive recovery

16 **FORCED LANDING WITHOUT POWER**

Setting up the glide, speed control
Glide - Entry and trimming for attitude/speed
Field selection - Large field will improve chances of success
Field selection - Awareness of wind direction
Field selection - Field within easy range
Plan the approach - Choice of altitude check points
Base position - Familiar situation (normal glide approach)
Approach judgment- Dangers of attempting to stretch the glide
Losing excess height - Side slipping, zigzagging, flaps

17 **PRECAUTIONARY LANDING**

Briefing - The motivation for attempting precautionary landing
Choice of field (WOSSS)
Radio calls
Setting up slow safe speed
First pass overhead field at 500', joining on downwind for inspection
Method of choosing reference points for proper inspection circuit
Commencing the approach for first and second inspection passes
Inspection pass checks - first pass and second pass
Maintaining proper altitude/speed and accuracy of procedures
Preparation for the landing - pax briefing, downwind checks
Actions on finals - preparation for the touch down.
Short field landing execution

