RC Flight Instruction

Objective	Ground Instruction	Flight Instruction	Completion Criteria	Instructor / Date
Introduction to club/field/AMA	Club/AMA info, DNR Requirements, Frequency Control, Spotter Requirement, Max Altitude, Sign-in book, and Emergency procedures	Demo flight with club trainer, instructor gives control of plane at altitude to student.	Student has basic understanding of club, safety requirements and experiences RC flight control.	
Maiden flight of student's trainer	Instructor conducts visual inspection, range check, CG location, flight controls proper, trim proper. Instructor describe safe starting procedure.	Instructor conducts test flight explaining actions to student. Instructor trims plane landing to adjust as necessary. Repeat if required.	Student's plane ready to fly.	
Controlled Flight	Instructor describes safe flying area, "dead line", 400' altitude limit, buddy box system and basic flight controls.	Instructor gives control to student at altitude.	Student maintains safe flying altitude within safe flying area with minimal instructor intervention.	
Taxi and flight line courtesy	Instructor describes taxi control, safe taxi procedures, rules of right of way and flight line courtesy	Taxi to take off, taxi to pit after landing	Student able to maintain safe, slow taxi with good directional control.	
Rectangular Pattern at Altitude	Instructor describes right hand & left hand pattern and necessary controls. Instructor may demonstrate with stick plane	Student takes control at altitude and flies right hand and left hand pattern at altitude	Student able to safely fly pattern maintaining altitude and directional control.	
Horizontal Figure 8's at altitude	Instructor describes maneuver and necessary controls	Student takes control at altitude and flies horizontal figure 8's. Fly first figures large decreasing size with proficiency	Student able to safely fly relatively small horizontal figure 8's maintaining directional and altitude control.	
Rudder Control	Instructor describes yaw control with rudder.	Student takes control at altitude and flies using rudder as primary control for turns.	Student understands use of rudder.	
Slow flight with stall recovery	Instructor describes slow flight control including throttle management, stall characteristics and stall recovery	Student takes control at altitude and flies slow pattern, slow horizontal figure 8's and full stall with recovery.	Student able to maintain directional and altitude control during slow flight recognizing stall onset. Student able to recover from stall.	
Approach	Instructor describes approach procedure including rules of right away, go-around procedure and flight line courtesy.	Student takes control at altitude and flies approach pattern slowing to low pass over center of runway followed by go around.	Student able to make RH & LH low approaches with wings level over center of runway. Student demonstrates good go-around decision making.	
Aircraft Trim	Instructor describes trim process.	Student takes control of out-of-trim plane at altitude and practices trim adjustments.	Student able to trim "out-of-trim" plane in the air.	
Basic Aerobatics	Instructor describes loops and rolls and necessary controls. Instructor reminds student of altitude restrictions.	Student takes control at altitude and practices loops and rolls (if plane is capable)	Student able to fly loops maintaining entry altitude. Student uses proper throttle management.	
Landing	Instructor describes safe landing procedures.	Student takes control at altitude then flies approach with full stop landing.	Student able to land safely from RH & LH pattern in various wind conditions. Student demonstrates good courtesy go-around decisions.	
Take off	Instructor describes right of way rules, flight line courtesy and take off procedure.	Student taxis from pit and takes off plane. Student practices aborted take off.	Student able to take off safely into RH & LH pattern in various wind conditions. Student demonstrates good courtesy and go-around decisions.	
"Dead Stick"	Instructor describes "dead stick" procedure.	Student practices landing from simulated "dead stick".	Student able to make good approach from "dead stick" condition while communicating situation to other pilots.	
First Solo	Instructor review.	Student practices safe take-off and landings. Student must demonstrate 5 consecutive "perfect" take-offs and landings	Student flies safely without aid of buddy box.	

Ed Kincer April 14, 2009