Instrument Rating Lesson Outline

1.	SUBJECT	AREAS (GENERAL)				
	a.	Regulations: FAR's, AIM	7.	INSTRUI	MENT APPROACH PROCEDURES	
	b.	Aviation Publications, AFD, TERPS		a.	Charts	
	c.	Airspace (ABCDEG, SUA, Other)			1. Approach Charts (IAP)	
	d.	ADM: PAVE, IMSAFE, DECIDE			2. Low En-Route, Area Charts	
	e.	Special Emphasis Areas		b.	Non-Precision Approach (NPA)	
	f.	Anatomy of an IFR Flight		٠.	1. VOR Approach	
		randomy of an inventor			2. NDB Approach	
2.	DDEELIG	HT PREPARATION			3. GPS Approach (LPV, LNAV, VNAV)	
۷.		Pilot/Aircraft Qualifications, Currency			4. LOC, LDA approaches	
	a.	•				
	b.	Weather Information			5. Partial Panel Approaches	
		Wx Reports and Observations		C.	Precision Approach (PA)	
		2. Wx Briefings, Hazardous Wx, In-Flight			1. ILS Approach (system, LOC, GS, ALS, BKN)	
		3. Wx Forecasts, Charts, Icing, Freezing,		d.	Missed Approach	
		4. Notam's,		e.	Straight-in Approaches	
	C.	Cross-Country Flight Planning		f.	Circling Approaches	
		Airway and Direct Routes		g.	No Gyro, Radar Vectoring & Radar Approaches	
		2. Altitudes (MEA MOCA OROCA MCA MRA)		h.	Procedure turns/Course reversals	
		3. Flight Plan, Filing, Clearance Delivery		i.	Partial Panel Approaches	
		4. Alternates, SID's, STAR's, ODP's		j.	Visual Approaches	
	d.	Performance, Airports, POH, AFD				
			8.	EMERGE	ENCY OPERATIONS	
3.	PREFLIG	HT PROCEDURES		a.	Lost Communications (AVE F, MEA)	
	a.	Aircraft Systems		b.	Loss of Primary Flight Instruments	
		 Pitot Static System 		c.	Cockpit, audio panel, troubleshooting	
		2. Vacuum System		d.	Engine out, let-down procedures	
		3. Anti-Icing, De-Icing Equipment				
	b.	VFR/IFR Flight Instruments	9.	POSTFLI	GHT PROCEDURES	
	c.	Nav Equipment, VOR, ADF, DME, GPS		a.	Checking Instruments and Equipment	
	d.	Preflight Instrument Checks, Taxi checks				
		· ·	10.	Addition	n Areas and Maneuvers	
4.	ATC CLE	ARANCES AND PROCEDURES		a.	Minimum Equipment, Rqd Maintenance	
	a.	ATC Control Clearances		b.	Mnemonics, Acronyms, Checklists, Mem Items	
	b.	Departure Clearances, SID, ODP, TO mins		c.	GPS programming, Nav, Approaches, Fltplan	
	c.	En Route Clearances, Reporting		d.	Autopilot for IFR use.	
	d.	Arrival Clearances, Procedures, STARs		e.	A/C Logs, Maintenance Tour, Tower Tour	
	e.	Holding Procedures		f.	Characterize your aircraft (AS/AI/VSI)	
	f.	En Route to Approach transitions		g.		
		En Noute to Approach transitions		ь. h.	Pop-Up IFR clearance	
5.	FLIGHT P	BY REFERENCE TO INSTRUMENTS			r op op in it cicurance	
-	a.	Scan, Primary/Support, Cross-Inter-Control	11.	Stage Pr	reps/Checks	
	b.	Instrument Takeoff		a.	Checkride Prep: Practical Test Standards (ACS)	
	c.	Straight/Level Flight		b.	Checkride Prep: Oral Prep Areas Checklist	
	d.	Airspeed Changes		υ.	Checking Frep. Oral Frep Areas Checkinst	
	e.	Constant airspeed climbs/descends				
	f.	Constant rate climbs/descends				
		•				
	g.	Unusual Attitudes, full and Partial Panel				
	h. :	Partial Panel flying				
	i.	Compass turns, Timed Turns, Partial Panel				
	j.	Vertical S's, turning, alternating				
	k.	Steep Turns				
	l.	Power On/Off Stalls and Recovery				
6.	NAVIGA:	TION AND NAVIGATION SYSTEMS				
٥.	a.	VOR Navigation, Intercepting and Tracking				
	b.	NDB Navigation, Intercepting and Tracking				
	C.	GPS Navigation, device, RAIM				
	d.	DME Arcs				
	e.	Holding Patterns and Hold Entries				
	С.					

Aeronautical Experience - 14CFR 61.65

neronautical Experience 1 fer it 01:05					
50 hours Cross-Country time (min 10 in airplane)					
40 hours of Actual or Simulated instrument time					
15 hours dual (actual or simulated instrument time					
3 hours dual within 2 calendar months of checkride					
Instrument long Cross-Country. Filed IFR, 250nm along					
airways directed by ATC, an instrument approach at each					
airport, 3 different kinds of approaches with use of nav					