

دبلوم هندسي (الكترونيات طيران)

السنة الاولى - B2 - First Year Academic

1	Module	CAT code	Subject	Book Title	Theory Hours	Practical Hours	Total Hours	EASA/SQA Credits
Semester 1	EASA Pt 66 Module 1	M01B1MA	Mathematics	B01 Mathematics	42		42	EASA
	EASA Pt 66 Module 2	M02B1PH	Physics	B02 Physics	48		48	EASA
	EASA Pt 66 Module 3	M03 B1EF	Electrical Fundamentals	B03 Basic Electrical	90	30	120	EASA
	EASA Pt 66 Module 4B1	M04B1AV	Electronic Fundamentals	B04 Basic Electronics	30		30	EASA
	EASA Pt 66 Module 5B1	M05B1DT	Digital Techniques/Electronic Instrument Systems	B05 Basic Digital techniques	60		60	EASA
	EASA Pt 66 Module 6	M6B1MH	Materials & Hardware	B06 Materials & Hardware B06 Electrical Cables	114		114	EASA
	EASA Pt 66 Module 8	M08B1AD	Basic Aerodynamics	B08 Basic Aerodynamics	42		42	EASA
	EASA Pt 66 Module 9	M09B1HF	Human Factors	B09 Human Factors	36		36	EASA
Total semester 1 hours							492	
2	MODULE	CAT code	Subject	Book Title	Theory Hours	Practical Hours	Total Hours	EASA/SQA Credits
Semester 2	EASA Pt 66 Module 7A	M07B1MM	Maintenance Practices	B07MP Maintenance Practices B07 Maintenance Practices (Practical)	60	90	150	EASA
	EASA Pt 66 Module 7A	M07B1ME	Maintenance Practices	B07EP Electrical/Avionics B07 Electrical Practices (Practical)	36	90	126	EASA
	EASA Pt 66 Module 7A	M07B1AH	Maintenance Practices	B07 Aircraft Handling	30		30	EASA
	EASA Pt 66 Module 7A	M07B1IA	Maintenance Practices	B07 Inspection/Abnormal Events	42		42	EASA
	EASA Pt 66 Module 7A	M07B1MT	Maintenance Practices	B07 Maintenance	30		30	EASA
	EASA Pt 66 Module 7A	M07B1AR	Maintenance Practices	B1-07MP Airframe Repairs (Practical)		90	90	EASA
	EASA Pt 66 Module 10	M10B1AL	Aviation Legislation	B10 Air Legislation	54		54	EASA
Total semester 2 hours							522	

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3	MODULE	CAT code	Subject	Book Title	Theory Hours	Practical Hours	Total Hours	EASA/SQA Credits
Semester 3	EASA Pt 66 Module 13	M13B2ES	electrical system	B11-12-13 Electrical Systems B11-12-13P Electrical Systems (Practical)	60	30	90	EASA
	EASA Pt 66 Module 13	M13B2BS	basic structure	B11-12-13 Basic Structures	18		18	EASA
	EASA Pt 66 Module 13	M13B2FH	aircraft systems1, Fuel, Hyd,Pneu and AC	B11-12-13 Aircraft Systems 1	126	40	166	EASA
	EASA Pt 66 Module 13	M13B2CS	communication systems	B13 comm. Systems	30	45	75	EASA
	EASA Pt 66 Module 13	M13B2NS	Navigation systems	B13 Nav. SysteMS	30	45	75	EASA
	EASA Pt 66 Module 13	M13B2AF	Auto flight	B13 auto flight	48	45	83	EASA
	EASA Pt 66 Module 14	M14B2TE	Propulsion	B14 Propulsion	60		60	EASA
Total semester hours							567	

4	MODULE	CAT code	Subject	Book Title	Theory Hours	Practical Hours	Total Hours	EASA/SQA Credits
Semester 4	EASA Pt 66 Module 4B2	M04B2FE	Further electronics	B4b2 Further electronics	30	30	60	EASA
	EASA Pt 66 Module 5B2	M05B2FD	Further digital techniques	B5B2 Further digital tech.	30	30	60	EASA
	EASA Pt 66 Module 13	M13B2RW	rotary wing aerodynamics	B13 rotary wing	12		12	EASA
	EASA Pt 66 Module 13	M13B2RY	Radar systems	B13 Radar systems	30	45	75	EASA
	EASA Pt 66 Module 13	M13B2RR	Radio and radar principle	B13 radio and radar	30	45	75	EASA
	EASA Pt 66 Module 13	M13B2FI	Further aircraft instruments	B13 Further Instruments	90	45	135	EASA
	EASA Pt 66 Module 13	M13B2AW	Aircraft sys.2 water press oxygen	B11-13 Aircraft Systems 2	24	40	64	EASA
	EASA Pt 66 Module 13	M13B2LF	landing gear/flight controls	B11-13 Landing Gear & Flight Controls	96	40	136	EASA
Total semester hours							617	

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تدريب ميداني - On Job Training

5	EASA Part 66 On The Job Training/Experience	CAT Code	OJT Aircraft Maintenance Practical	Description	Hours
semester 5	Part 66 ANNEX III	OJT-STBRF1	None	Student briefing and introduction to maint. Org. laws	15
	Part 66 ANNEX III	OJT-STBRF2	None	Students practice filling forms	15
	Part 66 ANNEX III	OJT-MOBRF	None	Maint. Org, Breifing	5
	Part 66 ANNEX III	OJT-STPRA1	YES	Carrying out practical tasks and filling all forms	150
	Part 66 ANNEX III	OJT-AUDIT1	None	CAT staff audits all the forms checking correct filling of forms and attendance, will raise discrepancies to compliance manager to correct findings	40
	Part 66 ANNEX III	OJT-STPRA2	YES	Carrying out practical tasks and filling all forms	150
	Part 66 ANNEX III	OJT-SPVRO	YES	Company Supvr. oral testing	45
				Total Hours	420