

Aeronautical Technical Engineering –Najaf Technical Engineering College (ANTE-NTEC)

First year stage

Second year stage

kind of subject	Symbols	Subject	No. of weekly hours			Units	No. of page
			Theo.	Exp.	Tut.		
Auxiliary	CREQ 141	Electrical Engineering	2	1	1	5	1
Auxiliary	CREQ 142	Eng. Drawing & Descriptive	1	3		4	4
Generally	UREQ 161	Human Right & Democracy	2			4	8
Auxiliary	MATH 151	Mathematics I	3			6	11
Specialist	ANTE112	Mechanics I	3		1	6	14
Specialist	ANTE111	Properties of Materials	2		1	4	15
Specialist	ANTE121	Thermodynamic I	2	2		6	18
Auxiliary	CREQ 143	Programming I	1	2		4	21
Auxiliary	CREQ 144	Work shop		6		4	23
Total of hours and units			16	14	3	43	
			33				

kind of subject	Symbols	Subject	No. of weekly hours			Units	No. of page
			Theo.	Exp.	Tut.		
Specialist	ANTE 223	Fluid Mechanics	2	2		6	24
Specialist	ANTE 215	Manufacturing Processes	2	1	1	5	26
Auxiliary	MATH 252	Mathematics II	3			6	29
Auxiliary	CREQ 246	Mechanical Drawing	1	3		4	32
Specialist	ANTE 213	Mechanics II	3		1	6	34
Specialist	ANTE 214	Strength of Material	2	2	1	6	36
Specialist	ANTE 231	Theory of flight	2		1	4	38
Specialist	ANTE 222	Thermodynamic II	2	2		6	41
Auxiliary	CREQ 245	Programming II	1	2		4	44
Total of hours and units			18	12	4	47	
			34				

Ratio of Specialist hours =33.33%	Ratio of Theoretical hours = 48.5%
Ratio of Auxiliary hours =60.67%	Ratio of Experimental hours=42.5%
Ratio of Generally hours=6%	Ratio of Tutorial hours =9 %

Ratio of Specialist hours =70.5%	Ratio of Theoretical hours = 53%
Ratio of Auxiliary hours =29.5%	Ratio of Experimental hours=35.5%
	Ratio of Tutorial hours = 11.5%

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Third year stage

Fourth year stage

kind of subject	Symbols	Subject	No. of weekly hours			Units	No. of page
			Theo.	Exp.	Tut.		
Specialist	ANTE 324	Aerodynamics	2	2		6	46
Specialist	ANTE 332	Aircraft Elec. and instrument	2	2		6	48
Specialist	ANTE 316	Mech. Eng. Design I	2	3		6	51
Auxiliary	CREQ 347	Eng. & Num. Analysis	2		1	4	53
Specialist	ANTE 325	Heat Transfer	2	2		6	56
Auxiliary	CREQ 348	Industrial Engineering	2			4	59
specialist	ANTE 317	Theory of Machines	2	2		6	62
specialist	ANTE 333	Aircraft Engines	2	2		6	64
specialist	ANTE 326	Gas dynamic	2	1	1	5	66
Total of hours and units			18	14	2	49	
			34				

kind of subject	Symbols	Subject	No. of weekly hours			Units	No. of page
			Theo.	Exp.	Tut.		
Specialist	ANTE 436	Aircraft Design	3	1		7	69
Specialist	ANTE 435	Aircraft Engines & Jet Propulsion	2	1	1	5	72
Specialist	ANTE 438	Aircraft Stability & Control	2	1	1	5	74
Specialist	ANTE 434	Aircraft Structures	2	1	1	5	77
Specialist	ANTE 439	Aircraft Sys. & Maintenance	2	2		6	80
Auxiliary	CREQ 449	Computer Aided Engineering		3		2	83
Specialist	ANTE 418	Automatic Control	2	1	1	5	85
Specialist	ANTE 437	Aircraft Vibration	2	2		6	88
Auxiliary	CREQ 4410	Final project		4		3	
Total of hours and units			15	16	4	44	
			35				

Ratio of Specialist hours =85%	Ratio of Theoretical hours = 53%
Ratio of Auxiliary hours =15%	Ratio of Experimental hours=41%
	Ratio of Tutorial hours = 6%

Ratio of Specialist hours =80%	Ratio of Theoretical hours = 43%
Ratio of Auxiliary hours =20%	Ratio of Experimental hours=46%
	Ratio of Tutorial hours = 11%