

Year	Sem	Subject name	Weekly number of hours				Practice	ECTS
			Lecture	Tutorial	Labwork	Project		
First Year Compulsory subjects								
1	1	Mathematical Analysis	2	1				4
1	1	Linear Algebra, Analytic and Differential Geometry 1	2	2				4
1	1	Computer Programming and Programming Languages 1	2		2			4
1	1	Material Science and Engineering 1	2		2			4
1	1	Physics 1	2	1				4
1	1	Descriptive Geometry	2		2			4
1	1	Aviation English 1		2				2
1	2	Linear Algebra, Analytic and Differential Geometry 2	2	2				4
1	2	Mechanics 1	2	1	1			4
1	2	Computer Programming and Programming Languages 2	2		2			4
1	2	Technical Drawing and Infographic	2		2			4
1	2	Basics of Electrical Engineering	2	2				4
1	2	Meteorology	1		1			4
1	2	Aviation English 2		2				2
Optional Subjects								
1	1	Geomatics	1	1				4
1	1	Astronomy						
1	2	Aviation Legislation and Regulations						
1	2	Quality Assurance 1						
Second Year Compulsory subjects								
2	1	Differential Equations	2	2				4
2	1	Mechanics 2	2	2				4
2	1	Fluid Mechanics	2	1	1			4
2	1	Electrical Machines and Actuators	2	1				4

2	1	Machine Parts	2	1				4
2	1	Fundamentals of Navigation	1	1				3
2	2	Probability Theory and Statistics	2	1				4
2	2	Numerical Methods in Aerospace Engineering	2	1	2			4
2	2	Applied Electrical Engineering and Electronics	2		1			4
2	2	Basics of Aerodynamics	2	2				4
2	2	Strength of Materials	2		2			4
2	2	Analogue Electronics	2		2			4
2	2	Aeronautical charts	1	1				3
Optional Subjects								
2	1	Human Factors	1	2				3
2	1	Human Performance	1	2				3
2	1	Computer Programming and Programming Languages 3	1			1		4
2	1	Applied Informatics	1			1		4
2	2	Physics 2	1		1			3
2	2	Chemistry	1		1			3
Third Year Compulsory subjects								
3	1	Thermotechnics	2	2				4
3	1	Flight Dynamics	2			2		4
3	1	Avionics	2	1	1			4
3	1	Material Science and Engineering 2	2		2			4
3	1	Business strategy	2	1				4
3	1	Applied Electronics and Automatic Control	2		2			4
3	1	Aeronautical Information	1		1			3
3	2	Electronic Flight Instrument Systems	2		1			3
3	2	Flight Controls	2	2				3
3	2	Aerospace Structures	2	2				3
3	2	Financial Accounting	2	2				3
3	2	Interchange of Aeronautical Data	2		1			3

3	2	Airport operations and navigation	2	1				3	
3	2	Theory of Elasticity	1	2				2	
3	2	Internship (30 hours/week *12 weeks)						8	
Optional Subjects									
3	1	Safety Analysis	1	1				3	
3	1	Quality Assurance 2	1	1				3	
3	2	Aviation Databases	1			1		2	
3	2	Computer Interfacing	1			1		2	
Fourth Year Compulsory subjects									
4	1	Systems Engineering 1	2	1				4	
4	1	Automatic Flight Control	2	1		1		3	
4	1	Basics of Aerospace Propulsion	2	1				4	
4	1	Air Navigation	2	1				4	
4	1	Radio Navigation Systems	2			1		3	
4	1	Flight Operations	1	1				2	
4	1	Aircraft Maintenance	1	1				3	
4	1	Procedures for Air Navigation Services OPS	1	1				2	
4	1	Environmental Aviation	1	1				2	
4	2	Systems Engineering 2	2	1				3	
4	2	Avionics Integrated Systems	2	2				4	
4	2	Management	2	2				4	
4	2	Surveillance Systems	2			1		4	
4	2	Air Traffic Management	2	1				4	
4	2	Internship for the preparation of the diploma project 60 h (2 weeks *30 hours/week)	2 weeks *30 hours/week						4
4	2	Preparation of the thesis project				4		4	
Optional Subjects									
4	1	Financial Management	2	1				3	
4	1	Ethics and Academic Integrity	2	1				3	
4	2	Accident Investigation	2	1				3	

4	2	Systemic Occurrence Analysis	2	1				3
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