

Anul: I Sem I Air Navigation

Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Differential and Integral Calculus	UPB.09.F.01.O.009	2	2			E	4
2	Algebra	UPB.09.F.01.O.010	2	2			E	4
3	Programming Languages 1	UPB.09.F.01.O.011	2		2		E	4
4	Aircraft Materials	UPB.09.D.01.O.012	2		2		E	4
5	Atmosphere Physics	UPB.09.F.01.O.013	2	1			E	4
6	Descriptive Geometry	UPB.09.F.01.O.014	2		2		V	4
7	Aviation English 1	UPB.09.C.01.O.015		2			V	2
TOTAL discipline obligatorii (O)			12	7	6	0	5E+2V	26
Discipline opționale (A)								
1a	Geomatics	UPB.09.F.01.A.03	2	1			V	4
1b	Astronomy	UPB.09.F.01.A.04	2	1			V	4
TOTAL discipline opționale (A)			2	1	0	0	1V	4
TOTAL discipline obligatorii (O) și opționale (A)			14	8	6	0	5E+3V	30
TOTAL ore pe săptămână			28					
Discipline liber alese (L)								
1	Educație fizică ED1	UPB.09.C.01.L.01		2			V	2
2	Psihologia educației	UPB.09.C.01.L.03	2	2			E	5
3	Introduction in Aerospace Engineering	UPB.09.D.01.L.04	2	1			V	3
TOTAL discipline liber alese (L)			4	5	0	0	1E+2V	10

Anul: I Sem II Air Navigation

Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Geometry	UPB.09.F.02.O.009	2	2			E	4
2	Mechanics (Matter, Statics, Kinematics)	UPB.09.D.02.O.010	2	1	1		E	4
3	Programming Languages 2	UPB.09.F.02.O.011	2		2		E	4
4	Engineering Drawings, Diagrams, Standards	UPB.09.F.02.O.012	2		2		E	4
5	Electrical Fundamentals	UPB.09.D.02.O.013	2	2			E	4
6	Meteorology	UPB.09.S.02.O.014	2		1		V	4
7	Aviation English 2	UPB.09.C.02.O.015		2			V	2
TOTAL discipline obligatorii (O)			12	7	6	0	5E+2V	26
Discipline opționale (A)								
1a	Aviation Legislation and Regulations	UPB.09.D.02.A.03	2	1			V	4
1b	Aviation International and National Requirements	UPB.09.D.02.A.04	2	1			V	4
TOTAL discipline opționale (A)			2	1	0	0	1V	4
TOTAL discipline obligatorii (O) și opționale (A)			14	8	6	0	5E+3V	30
TOTAL ore pe săptămână			28					
Discipline liber alese (L)								
1	Educație fizică și sport ED2	UPB.09.C.02.L.01		2			V	2
2	Pedagogie I. Fundamentele pedagogiei + Teoria și metodologia curriculumului	UPB.09.C.02.L.03	2	2			E	5
TOTAL discipline liber alese (L)			2	4	0	0	1E+1V	7

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Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Differential Equations	UPB.09.F.03.O.009	2	2			E	4
2	Solid Dynamics	UPB.09.D.03.O.010	2	2			E	4
3	Fluid Dynamics	UPB.09.D.03.O.011	2	1	1		E	4
4	Electrical Machines	UPB.09.D.03.O.012	2	1	1		E	4
5	Mechanical Engineering	UPB.09.D.03.O.013	2	1			V	4
6	Fundamentals of Navigation	UPB.09.D.03.O.014	2	1			V	3
TOTAL discipline obligatorii (O)			12	8	2	0	5E+2V	23
Discipline opționale (A)								
1a	Human Factors	UPB.09.S.03.A.03	1	2			V	3
1b	Human Performance	UPB.09.S.03.A.04	1	2			V	3
2a	Programming Languages 3	UPB.09.F.03.A.05	1	1		1	E	4
2b	Software Engineering	UPB.09.F.03.A.06	1	1		1	E	4
TOTAL discipline opționale (A)			2	3	0	1	1E+1V	7
TOTAL discipline obligatorii (O) și opționale (A)			14	11	2	1	5E+3V	30
TOTAL ore pe săptămână			28					
Discipline liber alese (L)								
1	Pedagogie II. Teoria și metodologia instruirii. Teoria și metodologia evaluării	UPB.09.C.03.L.01	2	2			E	5
2	Educație fizică și sport ED3	UPB.09.C.03.L.02		2			V	2
TOTAL discipline liber alese (L)			2	4	0	0	1E+1V	7

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Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Statistics and Probability Theory	UPB.09.F.04.O.009	2	2			E	4
2	Calculus (Numerical Methods)	UPB.09.D.04.O.010	2		2		E	4
3	Microprocessors and Microcontrollers	UPB.09.D.04.O.011	2		1		E	4
4	Aerodynamics and Theory of Flight	UPB.09.D.04.O.012	2	1	1		E	4
5	Strength of Materials	UPB.09.D.04.O.013	2		2		E	4
6	Electronic Circuits	UPB.09.D.04.O.014	2		2		V	4
8	Aeronautical Charts	UPB.09.S.04.O.015	1	1			V	3
TOTAL discipline obligatorii (O)			13	4	8	0	5E+2V	27
Discipline opționale (A)								
1a	Optics and Acoustics	UPB.09.F.04.A.01	2		1		V	3
1b	Vibrations and Noise	UPB.09.F.04.A.02	2		1		V	3
TOTAL discipline opționale (A)			2	0	1	0	1V	3
TOTAL discipline obligatorii (O) și opționale (A)			15	4	9	0	5E+3V	30
TOTAL ore pe săptămână			28					
Discipline liber alese (L)								
1	Didactica specialității	UPB.09.C.04.L.02	2	2			E	5
2	Educație fizică și sport 3	UPB.09.C.04.L.01		2			V	2
TOTAL discipline liber alese (L)			2	4	0	0	1E+1V	7

Anul: III Sem I Air Navigation

Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Thermodynamics	UPB.09.D.05.O.008	2	2			E	4
2	Flight Dynamics and Stability	UPB.09.D.05.O.009	2			2	E	4
3	Digital Avionics	UPB.09.D.05.O.010	2	1	1		E	4
4	Composite Materials	UPB.09.D.05.O.011	2		2		E	4
5	Business Strategy	UPB.09.C.05.O.012	2	1			E	4
6	Electrical Power Systems	UPB.09.D.05.O.013	2		2		V	4
7	Aeronautical Information	UPB.09.S.05.O.014	1		1		V	3
TOTAL discipline obligatorii (O)			13	4	6	2	5E+2V	27
Discipline opționale (A)								
1a	Safety Analysis	UPB.09.S.05.A.05	1	1			V	3
1b	Quality Assurance	UPB.09.S.05.A.06	1	1			V	3
TOTAL discipline opționale (A)			1	1	0	0	1V	3
TOTAL discipline obligatorii (O) și opționale (A)			14	5	6	2	5E+3V	30
TOTAL ore pe săptămână			27					
Discipline liber alese (L)								
1	Instruire asistată de calculator	UPB.09.C.05.L.01	1	1			V	2
2	Practica pedagogică în învățământul preuniversitar obligatoriu (1)	UPB.09.C.05.L.02		3			V	3
TOTAL discipline liber alese (L)			1	4	0	0	2V	5

Anul: III Sem II Air Navigation

Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Electronic Flight Instrument Systems	UPB.09.S.06.O.027	2		1		E	3
2	Flight Controls	UPB.09.S.06.O.028	2	2			E	3
3	Aircraft Structure and Systems	UPB.09.D.06.O.029	2	2			E	3
4	Financial Accounting	UPB.09.C.06.O.030	2	2			E	3
5	Interchange of Aeronautical Data	UPB.09.S.06.O.031	2		2		V	3
6	Airport Operations and Navigation	UPB.09.S.06.O.032	2	1			V	3
7	Navigation Systems Databases	UPB.09.S.06.O.033	1	1			V	3
8	Internship (30 ore/sapt.*12 sapt.)	UPB.09.D.06.O.034					V	6
TOTAL discipline obligatorii (O)			13	8	3	0	4E+4V	27
Discipline opționale (A)								
1a	Aviation Databases	UPB.09.S.06.A.007	2			1	E	3
1b	Computer Interfacing	UPB.09.S.06.A.008	2			1	E	3
TOTAL discipline opționale (A)			2	0	0	1	0	3
TOTAL discipline obligatorii (O) și opționale (A)			15	8	3	1	5E+4V	30
TOTAL ore pe săptămână			27					
Discipline liber alese (L)								
1	Practica pedagogică în învățământul preuniversitar obligatoriu (2)	UPB.09.C.06.L.001		3			V	2
2	Managementul clasei de elevi	UPB.09.C.06.L.002	1	1			E	3
3	Examen de absolvire, nivelul 1	UPB.09.C.06.L.003					E	5
TOTAL discipline liber alese (L)			1	4	0	0	2E+1V	10

Anul: IV Sem I Air Navigation

Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Systems Engineering 1	UPB.09.S.07.O.028	2	1			E	4
2	Automatic Flight Control	UPB.09.S.07.O.029	2	1		1	E	3
3	Turbine Engines	UPB.09.S.07.O.030	2		2		E	4
4	Air Navigation Services	UPB.09.S.07.O.031	2	1			E	4
5	Radio Navigation Systems	UPB.09.S.07.O.032	2		2		E	3
6	Flight Operations	UPB.09.S.07.O.033	1	1			V	2
7	Aircraft Maintenance	UPB.09.S.07.O.034	2	1			V	3
8	Project Preparation 1	UPB.09.S.07.O.035				3	V	4
TOTAL discipline obligatorii (O)			13	5	4	4	5E+3V	27
Discipline opționale (A)								
1a	Financial Management	UPB.09.C.07.A.004	2	1			V	3
1b	Financial Analysis	UPB.09.C.07.A.005	2	1			V	3
TOTAL discipline opționale (A)			2	1	0	0	1V	3
TOTAL discipline obligatorii (O) și opționale (A)			15	6	4	4	5E+4V	30
TOTAL ore pe săptămână			29					
Discipline liber alese (L)								
TOTAL discipline liber alese (L)			0	0	0	0		0

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Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Systems Engineering 2	UPB.09.S.08.O.023	2	1			V	3
2	Avionics Integrated Systems	UPB.09.C.08.O.024	2	2			V	4
3	Management	UPB.09.C.08.O.025	2	2			V	4
4	Surveillance Systems (Radars)	UPB.09.S.08.O.026	2	1	1		V	4
5	Air Traffic Management	UPB.09.S.08.O.027	2	2			V	4
6	Environmental Aviation	UPB.09.S.08.O.028	1	1			V	2
7	Procedures for Air Navigation Services OPS	UPB.09.S.08.O.029	1	1			V	2
8	Project Preparation 2	UPB.09.S.08.O.030				4	V	4
TOTAL discipline obligatorii (O)			12	10	1	4	8V	27
Discipline opționale (A)								
1a	Accident Investigation	UPB.09.S.08.A.008	2	2			V	3
1b	Systemic Occurrence Analysis	UPB.09.S.08.A.009	2	2			V	3
TOTAL discipline opționale (A)			2	2	0	0	1V	3
TOTAL discipline obligatorii (O) și opționale (A)			14	12	1	4	9V	30
TOTAL ore pe săptămână			31					
Discipline liber alese (L)								
TOTAL discipline liber alese (L)			0	0	0	0		0

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Nr. crt.	Disciplina	Cod					Forma eval.	PC
			C	S	L	P		
Discipline obligatorii (O)								
1	Project Examination	UPB.09.S.08.O.038					E	10
TOTAL discipline obligatorii (O)			0	0	0	0	1E	10

