

AEROSPACE ENGINEERING 2019/20 1st LEVEL

No.	Symbol	Name of the course	Lc	T	Lb	P	ECTS
SEMESTR 1							
1	ANW103	HES 11	2	0	0	0	2
2	ANWF1	Physical Education and Sport 1	0	2	0	0	0
3	ANW105	Engineering Graphics	1	1	0	0	2
4	ANW101	Algebra and Geometry	0	3	0	0	4
5	ANW102	Calculus I	2	3	0	0	7
6	ANW106	Computer Science I	2	0	2	0	5
7	ANW104	Engineering Physics	1	2	0	0	3
8	ANW109	Environment Protection	2	0	0	0	2
9	ANW71	Health and Safety Training	0	0	0	0	0
10	ANW72	Library Training	0	0	0	0	0
11	ANW107	Materials I	2	0	0	0	2
12	ANW108	Mechanics I	1	1	0	0	3
		TOTAL	13	12	2	0	30
SEMESTR 2							
13	ANW112	HES 12	2	0	0	0	2
14	ANJ1	Foreign/Polish Language 1	0	2	0	0	2
15	ANWF2	Physical Education and Sport 2	0	2	0	0	0
16	ANW90	Calculus II	2	2	0	0	5
17	ANW114	Computer Science II	1	0	1	0	2
18	ANW113	Electric Circuits I	2	1	0	0	3
19	ANW118	Engineering Graphics – CAD1	1	1	0	0	2
20	ANW115	Mechanics II	2	2	0	0	5
21	ANW117	Mechanics of Structures I	2	1	0	0	4
22	ANW116	Thermodynamics I	2	2	0	0	5
		TOTAL	14	13	1	0	30
SEMESTR 3							
23	ANWF3	Physical Education and Sport 3	0	2	0	0	0
24	ANJ2	Foreign/Polish Language 2	0	2	0	0	2
25	ANK467	Aeronautical Systems I	2	0	0	0	3
26	ANW123	Basics of Automation and Control 1	2	1	0	0	4
27	ANW91	Calculus III	1	2	0	0	3
28	ANK431	Engineering Graphics – CAD2	0	2	0	0	2
29	ANW122	Fluid Mechanics I	2	1	0	0	4
30	ANK466	Introduction to Aerospace	1	0	0	1	2
31	ANW124	Machine Design I	1	1	0	0	3
32	ANK399	Manufacturing Technology I	2	0	0	0	2
33	ANK335	Materials in Aerospace Technology	1	1	0	0	3
34	ANK427	Mechanics of Structures II	1	1	0	0	2
		TOTAL	13	13	0	1	30
SEMESTR 4							
35	ANJ3	Foreign Language 3	0	2	0	0	2
36	ANK473	Aerodynamics I	2	0	0	0	2
37	ANK468	Astronautics	2	0	0	0	4
38	ANW135	Electronics 1	1	1	0	0	2

39	ANK316	Electronics 2	0	0	1	0	1
40	ANK436	Integrated CAD/CAM/CAE Systems	0	0	2	0	2
41	ANK471	INTEGRATED LABORATORY	0	0	2	0	3
42	ANW125	Machine Design II	1	1	0	0	3
43	ANK400	Manufacturing Technology II LAB	0	0	2	0	2
44	ANK472	MECHANICS OF FLIGHT 1	1	0	0	1	4
45	ANK433	Propulsion Systems 1	2	1	0	0	5
		TOTAL	9	3	7	1	30
SEMESTR 5							
46	ANJ4	Foreign Language 4	0	2	0	0	2
47	ANK458	Aeronautical Systems II	1	0	1	0	3
48	ANK307	Aircraft design I	2	0	0	1	4
49	ANS619	Aircraft Engine Design I	2	0	0	0	3
50	ANK359	Chemistry of Combustion	1	1	0	0	3
51	ANK365	Machine Design III	1	1	0	0	3
52	ANK457	MECHANICS OF FLIGHT 2	1	0	0	1	3
53	ANS611	Risk and Reliability in Aviation	1	1	0	0	3
54	ANS609	Rotorcraft aeromechanics	2	1	0	0	5
55	ANS630	Spacecraft Design	1	0	0	0	1
		TOTAL	12	6	1	2	30
SEMESTR 6							
57	ANK308	Aircraft design II	1	0	0	2	4
58	ANS631	Aircraft Engine Design II	0	0	0	2	2
59	ANK315	Aircraft Maintenance	2	0	0	0	2
60	ANK342	Finite Element Method I	2	0	1	0	4
61	ANW127	Intermediate Engineering Project	0	0	0	4	6
62	ANK368	Machine Design VI	0	0	0	2	2
63	ANW126	Physics I	2	0	0	0	3
64	ANS614	Simulation of Aeronautical Systems	1	0	0	1	3
65	ANK401	Structure and assembling of airframes	1	0	0	1	2
66		Elective course	x	x	x	x	2
		TOTAL	9	0	1	12	30
SEMESTR 7							
67	ANS613	Aeronautical Regulations	1	0	0	0	1
68	ANS608	Aircraft engines maintenance	2	0	0	0	2
69	ANK348	Computational Fluid Dynamics	2	0	1	0	3
70	ANW128	Engineering Diploma Seminar	0	0	0	2	2
71	ANW136	Engineering Diploma Thesis	0	0	0	12	15
72	ANK479	FINITE ELEMENT METHOD II	1	0	1	0	2
73	ANS627	Simulators	1	1	0	0	2
74	ANK459	VIBRATIONS AND AEROELASTICITY	1	1	0	0	3
		TOTAL	8	2	2	14	30