

Specjalność NUCELAR POWER ENGINEERING 2019/20

No.	Symbol	Name of the course	LC	TU	LB	P	ECTS
SEMESTER 1(8)							
1	ANK487	Energy Policy and Law (HES)	2				2
2	ANK342	Finite Element Method 1	2	0	1	0	4
3	ANK347	Numerical methods in Heat Transfer	2	0	1	0	3
4	ANK348	Computational Fluid Dynamics	2	0	1	0	3
5	ANK486	Mathematical Modelling and Identification of Processes	2	0	1	0	4
6	ANK481A	Partial Differential Equations	1	2	0	0	4
7	ANK415	Energy Transport	1	1	0	0	2
8	ANS664	Elements of Nuclear Physics	2	1	1	0	4
9	ANS700	Legal Frames for Nuclear Power Industry	1	0	0	0	2
10	PO01	Elective course	2	0	0	0	2
		TOTAL	17	4	5	0	30
SEMESTER 2(9)							
11	ANK480	Physics 2	2	0	0	0	3
12	ANK371	Business Law (HES)	2	1	0	0	3
13	ANK385	Neural Networks	2	0	0	0	3
14	ANS599	Statistical and Nonequilibrium Thermodynamics	1	1	0	0	3
15	ANS666	Nuclear Reactor Physics	2	1	2	0	6
16	ANS667	Contemporary Nuclear Reactor Systems (LWR, HWR)	3	0	0	0	4
17	ANS671	Nuclear Reactor Modeling and Simulation	2	1	2	0	6
18	ANS673	Nuclear Fuels and Fuel Cycles	2	0	0	0	2
		TOTAL	16	4	4	0	30
SEMESTER 3(10)							
19	ANK382	Engineering Project	0	0	0	4	4
20	ANK 491	Intermediate Masters Project	0	0	0	6	6
21	ANK 445	Project Management	2	0	0	0	2
22	ANS559	Information Systems in Management	2	0	0	0	2
23	ANS675	Nuclear Power Plant Safety	2	1	0	1	4
24	ANS676	NPP Operation and Maintenance	2	0	0	0	2
25	ANS670	GenIV Nuclear Reactor Systems (HTR, FBR)	2	0	1	1	5

26	ANS688	Nuclear Energy and International Security	2	0	1	0	3
27	ANS703	Hazard Analysis in Nuclear Power Plants	2	0	0	0	2
		TOTAL	14	1	2	12	30
SEMESTER 4(11)							
28	ANS678	Internship at a Nuclear Installation	0	0	0	8	8
29	ANW138	Master Diploma Seminar	0	0	0	2	2
30	ANW137	Master Diploma Thesis	0	0	0	15	20
		TOTAL	0	0	0	25	30