

POWER ENGINEERING 2019/20 - M.Sc. Level

No.	Symbol	Name of the course	LC	TU	LB	PR	ECTS
Semester 1 (8)							
1	ANK342	Finite elements method 1	2		1		4
2	ANK347	Numerical methods in Heat Transfer	2		1		3
3	ANK348	Computational Fluid Dynamics	2		1		3
4	ANK486	Mathematical Modelling and Process Identification	2	1			4
5	ANK481A	Partial differential equations	2	1			4
6	ANS635	Algorithms and Programs of Heat Balances	1	1			2
7	ANK415	Energy transport	1	1			2
8	ANK487	Energy Policy and Law (HES)	2				2
9	ANS500	Energy efficiency	1		1		2
11	AELEC1	Elective course(s)	4				4
		TOTAL	19	4	4		30
Semester 2 (9)							
12	ANW132	Physics 2	2				3
13	ANK371A	Business law (HES)	2	1			3
14	ANK385	Neural Networks	2				3
15	ANS645	Advanced Heat Transfer	1	1			3
16	ANS599A	Statistical and Nonequilibrium Thermodynamics	1	1			3
17	ANK491	Intermediate Master Project				6	6
18	ANS535	Advanced renewable energy sources	2	1			3
19	ANS535	Future power technologies	2				2
20	ANK382A	Engineering project				4	4
		TOTAL	12	4		10	30
Semester 3 (10)							
21	ANW137	Master Diploma Thesis				15	20
22	ANW138	Master Diploma seminar				2	2
23	ANS559	Information systems in management	2				2
24	ANK445	Project management	2				2
25	AELEC3	Elective course(s)	2	2	0	0	4
		TOTAL	6	2		17	30