



Study Plan

M.Sc. Power Engineering

Faculty of Power and Aeronautical Engineering

Study plan for reference only; may be subject to change.

Lc – Lecture T – Tutorial Lb – Laboratory P – Project S – Seminar

Semester 1

List of specialization courses:

No.	Course number	Course name	Lc	T	Lb	P	S	ECTS points
1.	ANS635	Algorithms and Program of Heat Balances	1	1	0	0	0	2
2.	ANK348	Computational fluid dynamics	2	0	1	0	0	3
3.	ANS500	Energy efficiency	1	0	1	0	0	2
4.	ANK487	Energy Policy and Law	2	0	0	0	0	2
5.	ANK415	Energy transport	1	1	0	0	0	2
6.	ANK342	Finite element method 1	2	0	1	0	0	4
7.	ANK486	Mathematical Modelling and Process Identification	2	1	0	0	0	4
8.	ANK347	Numerical methods in heat transfer	2	0	1	0	0	3
9.	ANK481	Partial differential equations	2	1	0	0	0	5

Semester 2

List of specialization courses:

No.	Course number	Course name	Lc	T	Lb	P	S	ECTS points
1.	ANS645	Advanced Heat Transfer	1	1	0	0	0	3
2.	ANS534	Advanced Renewable Energy Sources	2	1	0	0	0	3
3.	ANK371	Business Law	2	1	0	0	0	2
4.	ANK382	Engineering Project	0	0	0	4	0	3
5.	ANS535	Future Power Technologies	2	0	0	0	0	2
6.	ANK491	Intermediate Masters project	0	0	0	6	0	6
7.	ANK385	Neural networks	2	0	0	0	0	3
8.	ANW132	Physics 2	2	0	0	0	0	3
9.	ANS599	Statistical and Nonequilibrium Thermodynamics	2	0	0	0	0	2

Semester 3

List of common courses:

No.	Course number	Course name	Lc	T	Lb	P	S	ECTS points
1.	ANW138	Master Diploma Seminar	0	0	0	0	2	2
2.	ANW137	Master Diploma Thesis	0	0	0	15	0	20

List of specialization courses:

No.	Course number	Course name	Lc	T	Lb	P	S	ECTS points
1.	ANS559	Information Systems in Management	2	0	0	0	0	2
2.	ANK445	Project Management	2	0	0	0	0	2