

COURSE STRUCTURE

2024-11074 Electrical power engineering (AZ) Master

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	ENG 501	Academic English	0	3+0	6	1	PDQ 520	Pedagogy for Higher Education	2	0+0	4
2	EM 501	History and methodology of power engineering	2	0+0	2	2	EM 504	Reliability in power engineering	2	1+0	6
3	EM 505	Transition processes in power systems	3	1+0	8	3	EM 506	Electromagnetic compatibility	2	1+0	7
4	EM 503	Design of power systems	2	1+0	8	4	PSİ 505	Psychology	2	0+0	2
5	XXX XXX	[AE] Area Elective Course II	2	1+0	6	5	EM 502	Optimization in power engineering	2	1+0	6
						6	XXX XXX	[AE] Area Elective Course III	2	1+0	5
<i>Subtotal: 30</i>						<i>Subtotal: 30</i>					

3

№	Course code	Title	Th	Pr	Ects
1	EM 603	Extreme voltages in power systems	3	2+0	11
2	EM 601	Modern problems of power engineering	2	0+0	4
3	XXX XXX	[NAE] Non-Area Elective Course I	1	1+0	2
4	XXX XXX	[AE] Area Elective Course IV	2	1+0	6
5	XXX XXX	[AE] Area Elective Course V	2	1+0	7

Subtotal: 30

4

№	Course code	Title	Th	Pr	Ects
1	EM 680	Research Study	0	0+0	6
2	EM 670	Pedagogical Study	0	0+0	6
3	EM 690	Master Thesis	0	0+0	18

Subtotal: 30

Total ECTS credits: **120**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	EM 507	Research Methods	2	1+0	6
2	EM 509	Forecasting methods	2	1+0	6
3	EM 611	Modeling in power engineering	2	1+0	7
4	EM 605	Operation of power systems	2	1+0	6
5	EM 607	Diagnostics in power engineering systems	2	1+0	6
6	EM 609	Fixed modes of power engineering	2	1+0	7
7	EM 508	Automation of power systems	2	1+0	5
8	EM 510	Management of electroenergetic systems	2	1+0	5

NAE - Non-Area Elective Courses

No	Course code	Title	Th	Pr	Ects
1	EM 613	Methodological fundamentals of scientific and technical development	1	1+0	2
2	SOS 510	Azerbaijan Multiculturalism	1	1+0	2
