

COURSE STRUCTURE

2025-11050 Tribology and tribotechnics (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	MEX 552	Tribological engineering- 2	3	0+0	6
2	MEX 551	Tribological engineering- 1	3	0+0	6	2	MEX 556	Surface engineering- 1	3	0+0	6
3	MEX 619	Modern problems of mechanical engineering	2	0+0	4	3	MEX 554	Fundamentals of calculation and design of friction nodes	3	0+0	6
4	MEX 511	History and methodology of mechanical engineering	2	0+0	2	4	PDQ 520	Pedagogy for Higher Education	2	0+0	4
5	MEX 506	Advanced materials	3	0+0	6	5	PSİ 505	Psychology	2	0+0	2
6	XXX XXX	[AE] Area elective course II #2	3	0+0	6	6	XXX XXX	[AE] Area elective course III #3	3	0+0	6
Subtotal: 30						Subtotal: 30					

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№	Course code	Title	Th	Pr	Ects
1	MEX 659	Establishment, planning and research of experiments	3	0+0	7
2	MEX 657	Surface engineering- 2	3	0+0	7
3	XXX XXX	[NAE] Non-area elective course I #1	2	0+0	2
4	XXX XXX	[AE] Area elective course V #5	3	0+0	7
5	XXX XXX	[AE] Area elective course IV #4	3	0+0	7

Subtotal: 30

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

Subtotal: 30

Total ECTS credits: **120**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	MEX 501	Work ethic	3	0+0	6
2	MEX 519	Research Methods	3	0+0	6
3	MEX 558	Failure of components and materials	3	0+0	6
4	MEX 560	Thermodynamics of surface processing	3	0+0	6
5	MEX 663	Modelling of tribological problems	3	0+0	7
6	MEX 661	Thermal problems in friction	3	0+0	7
7	MEX 665	Improving machinery reliability	3	0+0	7
8	SM 613	Mathematical analysis for mechanical engineers	3	0+0	7

NAE - Non-Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	İQT 537	Managerial Economics	2	0+0	2
2	FEL 601	Philosophy	2	0+0	2