

FIRST YEAR					
Code	Course Name	T	U	K	ECTS
FZK 101	General Physics-I	4	2	5	7
FZK 103	General Physics Laboratory-I	0	2	1	2
FZK 105	Calculus-I	4	0	4	6
FZK 107	General Chemistry-I	3	2	4	5
BT 103	Basic Knowledge Technology-I	2	2	3	4
YD 103	English-I	2	0	2	2
AI 103	Ataturk Principles and Revolution History-I	2	0	2	2
TD 103	Turkish Language-I	2	0	2	2
First Semester Total		19	8	23	30
FZK 102	General Physics-II	4	2	5	7
FZK 104	General Physics Laboratory-II	0	2	1	2
FZK 106	Calculus-II	4	0	4	6
FZK 108	General Chemistry-II	3	2	4	5
AI 104	Ataturk Principles and Revolution History-II	2	0	2	2
YD 104	English-II	2	0	2	2
BT 104	Basic Knowledge Technology-II	2	2	3	4
TD 104	Turkish Language-II	2	0	2	2
Second Semester Total		19	8	23	30

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Code	Course Name	T	U	K	ECTS
FZK 201	Statistical Physics and Thermodynamics	4	2	5	6
FZK 203	Differential Equations in Physics	4	0	4	6
FZK 205	Mathematical Methods in Physics I	4	0	4	6
FZK 207	Programming Language-I	2	2	3	4
FZK 209	Professional English I	2	0	2	5
FZK 211	Physics Laboratory-III (Thermodynamics)	0	2	1	3
Third Semester Total		16	6	19	30
FZK 202	Optics and Waves	4	0	4	6
FZK 206	Mathematical Methods in Physics II	4	0	4	6
FZK 208	Programming Language-II	2	2	3	4
FZK 210	Professional English II	3	0	3	4
FZK 212	Physics Laboratory-IV (optics waves)	0	2	1	4
	Elective Course	2	0	2	2
	Elective Course	2	0	2	4
Fourth Semester Total		17	4	19	30

THIRD YEAR					
Code	Course Name	T	U	K	ECTS
FZK 301	Modern Physics I	4	0	4	6
FZK 305	Electromagnetic Theory-I	5	0	5	6
FZK 307	Introductory Electronics	4	0	4	5
FZK 321	Introductory Electronics Laboratory	0	2	1	3
	Elective Course*	3	0	3	5
	Elective Course*	3	0	3	5
Fifth Semester Total		19	2	20	30
FZK 302	Modern Physics-II	4	0	4	6
FZK 306	Theoretical Mechanics	4	2	5	6
FZK 322	Quantum Laboratory	0	2	1	6
	Elective Course**	3	0	3	6
	Elective Course**	3	0	3	6
Sixth Semester Total		14	4	16	30

FORTH YEAR					
Code	Course Name	T	U	K	ECTS
FZK 401	Quantum Mechanics	4	0	4	5
FZK 403	Nuclear Physics	4	0	4	5
FZK 405	Solid State Physics I	4	0	4	5
	Elective Course***	3	0	3	5
	Elective Course***	3	0	3	5
	Elective Course***	3	0	3	5
Seventh Semester Total		21	0	21	30
FZK 402	Research Project	0	2	1	6
	Elective Course****	3	0	3	6
	Elective Course****	3	0	3	6
	Elective Course****	3	0	3	6
	Elective Course****	3	0	3	6
Eighth Semester Total		12	2	13	30

*: Bu derslerden en az 6 kredi almak zorunludur. **: Bu derslerden en az 6 kredi almak zorunludur. ***: Bu derslerden en az 9 kredi almak zorunludur. ****: Bu derslerden en az 12 kredi almak zorunludur.