



Adiyaman Üniversitesi
FACULTY OF SCIENCE AND LITERATURE
Department Of Physics
Fizik Programı

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AllT 101	Atatürk's Principles and History of the Turkish Revolutions I	2+0+0	Compulsory	2
ENF 101	Basic Information Technologies	2+0+0	Compulsory	3
FZ 101	General Physics I	4+2+0	Compulsory	7
FZ 151	General Physics Laboratory I	0+2+0	Compulsory	2
KM 101	General Chemistry I	4+0+0	Compulsory	5
MT 101	General Mathematics I	4+2+0	Compulsory	6
TD 101	Turkish Language I	2+0+0	Compulsory	2
YD 101	Foreign Language I	2+0+0	Compulsory	3
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AllT 102	Atatürk's Principles and History of the Turkish Revolutions II	2+0+0	Compulsory	2
FZ 102	General Physics II	4+2+0	Compulsory	7
FZ 104	Occupational Health and Safety	2+0+0	Compulsory	2
FZ 152	General Physics Laboratory II	0+2+0	Compulsory	2
KM 102	General Chemistry II	4+0+0	Compulsory	4
KM 154	General Chemistry Laboratory	0+2+0	Compulsory	2
MT 102	General Mathematics II	4+2+0	Compulsory	6
TD 102	Turkish Language II	2+0+0	Compulsory	2
YD 102	Foreign Language II (English)	2+0+0	Compulsory	3
Total ECTS				30

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
FZ 201	Mathematics for Physics I	4+2+0	Compulsory	7
FZ 203	Thermodynamics	3+0+0	Compulsory	7
FZ 205	General Programming I	2+2+0	Compulsory	7
FZ 207	Differential Equations	4+2+0	Compulsory	7
FZ 251	Thermodynamics Laboratory	0+2+0	Compulsory	2
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
FZ 202	Mathematics for Physics II	4+2+0	Compulsory	7
FZ 204	Waves and Optics	4+0+0	Compulsory	7
FZ 206	General Programming II	2+2+0	Compulsory	7
FZ 208	Electronics	4+0+0	Compulsory	5
FZ 262	Waves and Optics Laboratory	0+2+0	Compulsory	2
FZ 272	Electronics Laboratory	0+2+0	Compulsory	2
Total ECTS				30

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
FZ 301	Modern Physics I	4+0+0	Compulsory	8
FZ 303	Electromagnetic Theory I	4+0+0	Compulsory	7
FZ 305	Classical Mechanics I	4+0+0	Compulsory	7
FZ 307	Statistical Physics	4+2+0	Compulsory	8
Total ECTS				30

6.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
FZ 302	Modern Physics II	4+0+0	Compulsory	8
FZ 304	Electromagnetic Theory II	4+0+0	Compulsory	7
FZ 306	Classical Mechanics II	4+0+0	Compulsory	4
FZ 308	Atomic and Molecular Physics	4+0+0	Compulsory	8
FZ 362	Modern Physics Laboratory	0+2+0	Compulsory	2
FZ 364	Electricity and Magnetism Laboratory	0+2+0	Compulsory	1
Total ECTS				30

7.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
FZ 401	Quantum Mechanics I	3+0+0	Compulsory	6
FZ 403	Solid State Physics I	4+0+0	Compulsory	6
FZ 405	Nuclear Physics I	4+0+0	Compulsory	6
FZ 407	Research Project I	0+2+0	Compulsory	2
SEÇ I	ELECTIVE I	3+0+0	Elective	10
Total ECTS				30
FZ 451	Nuclear Medicine Physics and Applications I	3+0+0	Elective	5
FZ 453	Liquid Crystals and Applications I	3+0+0	Elective	5
FZ 455	Introduction to Astrophysics I	3+0+0	Elective	5
FZ 457	Introduction to Particle Physics I	3+0+0	Elective	5
FZ 459	Introduction to Object Oriented Programming Techniques in High Energy Physics I	3+0+0	Elective	5
FZ 461	Modern Physics	3+0+0	Elective	5
FZ 463	Introduction to Group Theory	3+0+0	Elective	5
FZ 465	Optics ve Acoustics	3+0+0	Elective	5
FZ 467	Linear Algebra	3+0+0	Elective	5
FZ 469	Numerical Modelling	3+0+0	Elective	5
FZ 471	History of Science	3+0+0	Elective	5

8.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
FZ 402	Quantum Mechanics II	3+0+0	Compulsory	6
FZ 404	Solid State Physics II	4+0+0	Compulsory	6
FZ 406	Nuclear Physics II	4+0+0	Compulsory	6
FZ 408	Research Project II	0+2+0	Compulsory	2
SEÇ 2	ELECTIVE-II	3+0+0	Elective	10
Total ECTS				30
FZ 452	Nuclear Medicine Physics and Applications II	3+0+0	Elective	5
FZ 454	Liquid Crystals and Applications II	3+0+0	Elective	5
FZ 456	Introduction to Astrophysics II	3+0+0	Elective	5
FZ 458	Introduction to Particle Physics II	3+0+0	Elective	5
FZ 460	Introduction to Object Oriented Program Techniques Used in High Energy Physics	3+0+0	Elective	5
FZ 462	Sign language (E)	1+2+0	Elective	5