



Doğuş Üniversitesi
FEN-EDEBİYAT FAKÜLTESİ

FİZİK
FİZİK

1.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CHEM 101	Chemistry	2+0+2	Zorunlu	5
CIP 101	Civic Involvement Projects I	0+0+0	Zorunlu	1
COME 107	Algorithms and Programming I	3+0+2	Zorunlu	5
ENG 101	Advanced English	0+4+0	Zorunlu	3
MATH 111	Calculus I	3+2+0	Zorunlu	6
PHYS 111	Mechanics	3+0+2	Zorunlu	7
TÜRK 101	Türk Dili I	4+0+0	Zorunlu	4
Toplam AKTS				31

2.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CIP 102	Civic Involment Projects	0+0+0	Zorunlu	2
COME 108	Algorithms and Programming II	2+0+2	Zorunlu	6
ENG 112	Advanced English For Engineering and Natural Sciences I	0+4+0	Zorunlu	3
IUL 100	Introduction to University Life	0+0+0	Zorunlu	1
MATH 112	Calculus II	3+2+0	Zorunlu	6
PHYS 112	Waves, Fluids, Thermodynamics	2+1+1	Zorunlu	6
PHYS 122	Electricity and Magnetism	3+0+2	Zorunlu	6
TÜRK 102	Türk Dili II	2+0+0	Zorunlu	3
Toplam AKTS				33

3.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
MATH 213	Linear Algebra	3+0+0	Zorunlu	5
MATH 255	Ordinary Differential Equations	4+0+0	Zorunlu	7
PHYS 223	Light and Optics	2+1+1	Zorunlu	6
TAR 201	Atatürk İlkeleri ve İnkılâp Tarihi I	4+0+0	Zorunlu	4
Toplam AKTS				22

4.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
MATH 254	Complex Calculus	4+0+0	Zorunlu	8
MATH 256	Partial Differential Equations	3+0+0	Zorunlu	8
PHYS 210	Statistical Physics I	2+0+0	Zorunlu	3
PHYS 224	Modern Physics I	3+0+0	Zorunlu	6
TAR 202	Atatürk İlkeleri ve İnkılâp Tarihi II	2+0+0	Zorunlu	3
Toplam AKTS				28

5.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
PHYS 301	Classical Mechanics I	3+0+0	Zorunlu	6
PHYS 311	Statistical Physics II	4+0+0	Zorunlu	8
PHYS 325	Modern Physics II	4+0+0	Zorunlu	6
Toplam AKTS				20

6.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
COME 304	Numerical Methods	3+0+0	Zorunlu	5
HUM 302	Sources of Contemporary Europe and Modern Ethics	2+2+0	Zorunlu	5
PHYS 300	Statistics And Experimental Techniques	1+2+2	Zorunlu	5
PHYS 302	Classical Mechanics II	3+0+0	Zorunlu	6
PHYS 322	Electromagnetic Theory I	4+0+0	Zorunlu	7
PHYS 332	Quantum Mechanics	4+0+0	Zorunlu	7
Toplam AKTS				35

7.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
PHYS 423	Electromagnetic Theory II	4+0+0	Zorunlu	7
PHYS 433	Quantum Mechanics II	4+0+0	Zorunlu	7

PHYS 441	Research Methods in Physics I	2+0+0	Zorunlu	2
Toplam AKTS				16

8.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CDS 490	Cultural Development Seminar	0+0+0	Zorunlu	0
PHYS 442	Research Methods in Physics II	0+2+0	Zorunlu	1
Toplam AKTS				1

SEÇMELİ DERSLER HAVUZU				
ALM 101	Almanca I	2+2+0	Seçmeli	5
ALM 102	Almanca II	2+2+0	Seçmeli	5
CEE 102	Logic Circuits	2+0+2	Seçmeli	6
CEE 201	Electrical Circuits	3+0+2	Seçmeli	5
CEE 222	Electronic Circuits I	3+0+2	Seçmeli	5
CEE 306	Introduction to Electrical Energy Systems	3+0+0	Seçmeli	4
CEE 321	Electronic Circuits II	3+0+2	Seçmeli	6
CEE 411	Wireless Communication	3+0+0	Seçmeli	5
CHEM 300	Nanoscience and Nanotechnology	2+0+2	Seçmeli	5
CIN 101	Çince I	2+2+0	Seçmeli	5
CIN 102	Çince II	2+2+0	Seçmeli	5
COME 207	Advanced Object Oriented Programming	2+0+2	Seçmeli	5
COME 218	Data Structures and Algorithms	2+0+2	Seçmeli	6
COME 342	Introduction to Software Engineering	2+0+2	Seçmeli	6
COME 361	Operating Systems	2+0+2	Seçmeli	6
COME 381	Database Systems	2+0+2	Seçmeli	5
CONT 212	Electrical Measurements & Sensors	2+0+2	Seçmeli	5
CS 353	Web Design I	2+0+2	Seçmeli	6
CS 354	Web Design II	2+0+2	Seçmeli	6
ECON 103	Economics I	2+0+0	Seçmeli	4
ECON 104	Economics II	3+0+0	Seçmeli	5
HUM 301	Mediterranean Civilizations from Antiquity to the 18. Century	2+2+0	Seçmeli	5
HUM 321	City, Society and Environment	3+0+0	Seçmeli	5
HUM 382	Utopia	3+0+0	Seçmeli	5
IE 406	Systems Simulation	2+2+0	Seçmeli	6
ISE 404	Electronic Business and Commerce Systems	3+0+0	Seçmeli	5
MATH 351	Introduction to Real Analysis	3+0+0	Seçmeli	8
MATH 352	Real Analysis	3+0+0	Seçmeli	8
MATH 371	Differential Geometry	3+0+0	Seçmeli	6
ME 103	Computer Aided Engineering Graphics	2+0+2	Seçmeli	5
PHIL 302	Introduction to Philosophy	3+0+0	Seçmeli	5
PHIL 311	Ethics	3+0+0	Seçmeli	5
PHYS 431	Computational Physics	2+2+0	Seçmeli	7
PHYS 451	Particle Physics	2+2+0	Seçmeli	7
PHYS 452	Quantum Electrodynamics	0+0+0	Seçmeli	7
PHYS 454	Particle Detectors & Applications	0+0+0	Seçmeli	7
PHYS 456	Particle Accelerators & Applications	0+0+0	Seçmeli	7
PHYS 461	Introduction to Cosmology	2+2+0	Seçmeli	7
PHYS 462	General Relativity	0+0+0	Seçmeli	7
PHYS 471	Solid State Physics	2+2+0	Seçmeli	7
PHYS 472	Optoelectronics and Photonics	0+0+0	Seçmeli	7
PHYS 474	Crystallography	0+0+0	Seçmeli	7
PHYS 482	Biomedical Physics	0+0+0	Seçmeli	7
PSY 100	General Psychology	3+0+0	Seçmeli	5
SOC 102	Introduction to Sociology	3+0+0	Seçmeli	5