

Temel Bilimler Fakültesi Fizik Bölümü Lisans Ders Planı

Tablo 1 Yarıyillar Temelinde Fizik Bölümü Ders Planı

FİZİK BÖLÜMÜ (%100 İNGİLİZCE MÜFREDATI)

1.Yıl / GÜZ Yarıyılı				1.Yıl / BAHAR Yarıyılı			
Ders Kodu	Ders Adı	Kredi	AKTS	Ders Kodu	Ders Adı	Kredi	AKTS
CHEM 101	General Chemistry I	3	5	CHEM 102	General Chemistry II	3	5
CHEM 113	General Chemistry Laboratory I	1	1	CHEM 114	General Chemistry Laboratory II	1	1
HIS 101	Principles of Atatürk and the History of Turkish Revolution I	2	2	HIS 102	Principles of Atatürk and the History of Turkish Revolution II	2	2
FS 103	Career Planning	1	2	MATH 102	Calculus II	5	7
INF 100	Introduction to Computer Systems	3	3	MATH 116	Linear Algebra	3	5
MATH 101	Calculus I	5	7	PHYS 104	Physics Laboratory II	1	2
PHYS 103	Physics Laboratory I	1	2	PHYS 112	Elementary Physics II	5	8
PHYS 111	Elementary Physics I	5	8				
			30				30
2.Yıl / GÜZ Yarıyılı				2.Yıl / BAHAR Yarıyılı			
Ders Kodu	Ders Adı	Kredi	AKTS	Ders Kodu	Ders Adı	Kredi	AKTS
ENG 111	English for Business Life	2	2	ENG 112	Academic English	2	2
MATH 215	Differential Equations	3	5	INF 101	Introduction to Programming	3	4
PHYS100	Code of Ethics and Safety	2	2	PHYS 202	Modern Physics	4	7
PHYS 203	Waves and Optics	5	7	PHYS 206	Electromagnetic Theory I	4	6
PHYS 247	Thermodynamics	2	4	PHYS 216	Mathematical Methods in Physics II	3	5
PHYS 215	Mathematical Methods in Physics I	5	8	XXX	Technical Elective I	3	5
XXX	Non-Technical Elective I	2	3				
			31				29

3.Yıl / GÜZ Yarıyılı				3.Yıl / BAHAR Yarıyılı			
Ders Kodu	Ders Adı	Kredi	AKTS	Ders Kodu	Ders Adı	Kredi	AKTS
PHYS 208	Physics Laboratory III	1	3	PHYS 302	Statistical Mechanics I	4	5
PHYS 204	Classical Mechanics I	4	6	PHYS 322	Quantum Mechanics II	4	5
PHYS 303	Quantum Mechanics I	4	8	PHYS 406	Physics Laboratory IV	1	3
PHYS 311	Electronics I	5	8	PHYSXXX	Department Elective II	3	5
PHYSXXX	Department Elective I	3	5	PHYSXXX	Department Elective III	3	5
TUR 101	Turkish I	2	2	PHYSXXX	Department Elective IV	3	5
				TUR 102	Turkish II	2	2
			32				30
4.Yıl / GÜZ Yarıyılı				4.Yıl / BAHAR Yarıyılı			
Ders Kodu	Ders Adı	Kredi	AKTS	Ders Kodu	Ders Adı	Kredi	AKTS
PHYS 401	Solid State Physics I	4	6	PHYS 492	Graduation Project	4	10
PHYS 416	Computer Applications in Physics	3	5	PHYSXXX	Department Elective VII	3	5
PHYS 404	Nuclear and Particle Physics	3	5	PHYSXXX	Department Elective VIII	3	5
PHYSXXX	Department Elective V	3	5	PHYSXXX	Department Elective IX	3	5
PHYSXXX	Department Elective VI	3	5	XXX	Technical Elective II	3	5
XXX	Non-Technical Elective II	2	3	or			30
				PHYS 491	Industrial Applications		20
				PHYS 492	Graduation Project	4	10
			30				30