

İSTİNYE ÜNİVERSİTESİ - FİZİK DOKTORA PROGRAMI DERS PLANI

Tezli Y. Lisans Diploması ile Kayıt (240 AKTS)

1. YARIYIL	Saat	AKTS
Research Methods and Ethics	2	9
Particle Physics	4	15
Accelerator Physics	3	10

2. YARIYIL	Saat	AKTS
Detector Physics	3	10
Statistical Methods in Particle Physics	4	10
Computing in High Energy Physics	3	10

3. YARIYIL	Saat	AKTS
Elective	3	10
Elective	3	10
Elective	3	10

4. YARIYIL	Saat	AKTS
Seminar	0	5
Preparation for Qualification	0	15
Preparation for Thesis Proposal	0	10

5. YARIYIL	Saat	AKTS
PhD Thesis I	0	30

6. YARIYIL	Saat	AKTS
PhD Thesis II	0	30

7. YARIYIL	Saat	AKTS
PhD Thesis III	0	30

8. YARIYIL	Saat	AKTS
PhD Thesis IV	0	30

Seçmeli Ders Havuzu	Saat	AKTS
Advanced Accelerator Physics	3	10
Advanced Detector Physics	3	10
Analysis Methods in Particle Physics	3	10
Special Topics	3	10
Physical Electronics	3	10
Software Tools in High Energy Physics	3	10
Quantum Electrodynamics	3	10
Quantum Chromodynamics	3	10
Philosophy of Science	3	10
Machine Learning Applications	3	10

Lisans Diploması ile Kayıt (300 AKTS)

1. YARIYIL	Saat	AKTS
Mathematical Methods	3	10
Classical Dynamics	3	10
Statistical Mechanics	3	10

2. YARIYIL	Saat	AKTS
Electro Dynamics	4	15
Quantum Mechanics	4	15

3. YARIYIL	Saat	AKTS
Research Methods and Ethics	2	9
Particle Physics	4	15
Accelerator Physics	3	10

4. YARIYIL	Saat	AKTS
Detector Physics	3	10
Statistical Methods in Particle Physics	4	10
Computing in High Energy Physics	3	10

5. YARIYIL	Saat	AKTS
Elective	3	10
Elective	3	10
Elective	3	10

6. YARIYIL	Saat	AKTS
Seminar	0	5
Preparation for Qualification	0	15
Preparation for Thesis Proposal	0	10

7. YARIYIL	Saat	AKTS
PhD Thesis I	0	30

8. YARIYIL	Saat	AKTS
PhD Thesis II	0	30

9. YARIYIL	Saat	AKTS
PhD Thesis III	0	30

10. YARIYIL	Saat	AKTS
PhD Thesis IV	0	30