

**FEN BİLİMLERİ ENSTİTÜSÜ**

**ELECTRICAL AND COMPUTER ENGINEERING ANABİLİM DALI DERS LİSTESİ**

<b>KODU</b>	<b>DERS ADI</b>	<b>T</b>	<b>U</b>	<b>K</b>	<b>AKTS</b>	<b>TÜRÜ</b>
ECE 501	3D Game Programming	3	0	3	7,5	Seçmeli
ECE 502	Pattern Recognition	3	0	3	7,5	Seçmeli
ECE 503	Medical Imaging Systems	3	0	3	7,5	Seçmeli
ECE 504	Introduction to Cryptography	3	0	3	7,5	Seçmeli
ECE 505	Process Control and Instrumentation Technology	3	0	3	7,5	Seçmeli
ECE 506	Information Theory and Coding	3	0	3	7,5	Seçmeli
ECE 507	Wireless Computer Networks	3	0	3	7,5	Seçmeli
ECE 508	Fuzzy Systems and Applications	3	0	3	7,5	Seçmeli
ECE 509	Advanced Web Programming	3	0	3	7,5	Seçmeli
ECE 510	Advanced Probability Theory For Engineers	3	0	3	7,5	Seçmeli
ECE 511	Virtual Reality	3	0	3	7,5	Seçmeli
ECE 512	Neural Networks	3	0	3	7,5	Seçmeli
ECE 513	Nonlinear Control Systems	3	0	3	7,5	Seçmeli
ECE 514	IT Project Management	3	0	3	7,5	Seçmeli
ECE 515	Discrete Mathematics and Its Applications	3	0	3	7,5	Seçmeli
ECE 516	Performance Analysis of Computer Networks	3	0	3	7,5	Seçmeli
ECE 517	Open Source Operating Systems And Programming	3	0	3	7,5	Seçmeli
ECE 518	Design And Simulation Of Computer Networks	3	0	3	7,5	Seçmeli
ECE 519	Polymer Materials and Design Of Polymers	3	0	3	7,5	Seçmeli
ECE 520	Computer Graphics and Animation	3	0	3	7,5	Seçmeli
ECE 521	Modeling And Simulation Of Computer Architecture	3	0	3	7,5	Seçmeli
ECE 522	Information Technologies	3	0	3	7,5	Seçmeli
ECE 523	Control Design and Modeling of DC-DC Converters	3	0	3	7,5	Seçmeli
ECE 524	Harmonic Power Flow of Electric Power Systems	3	0	3	7,5	Seçmeli
ECE 525	Dynamic Analysis of Electrical Machines	3	0	3	7,5	Seçmeli
ECE 526	Power Quality in Energy Systems	3	0	3	7,5	Seçmeli
ECE 527	Analytical and Numerical Methods in Electromagnetic Theory	3	0	3	7,5	Seçmeli
ECE 528	Electromagnetic Compatibility Measurement Techniques	3	0	3	7,5	Seçmeli
ECE 529	Flexible AC Transmission System (FACTS) Devices and Applications	3	0	3	7,5	Seçmeli
ECE 530	Voltage Source and Current Source Inverters	3	0	3	7,5	Seçmeli
ECE 531	Analysis of Power Electronics Circuits	3	0	3	7,5	Seçmeli
ECE 532	Power System Stability and Control	3	0	3	7,5	Seçmeli
ECE 533	Java Programming	3	0	3	7,5	Seçmeli
ECE 534	Wireless Sensor Networks	3	0	3	7,5	Seçmeli
ECE 535	Computer Communications and Networking Technologies	3	0	3	7,5	Seçmeli
ECE 536	Engineering Mathematics	3	0	3	7,5	Zorunlu
ECE 537	Object-Oriented Programming	3	0	3	7,5	Seçmeli
ECE 538	VLSI System Design Techniques	3	0	3	7,5	Seçmeli
ECE 539	Digital Control Systems	3	0	3	7,5	Seçmeli
ECE 540	Finite Automata And Formal Languages	3	0	3	7,5	Seçmeli
ECE 541	Optimization in Engineering	3	0	3	7,5	Seçmeli
ECE 542	Data Mining and Applications	3	0	3	7,5	Seçmeli
ECE 543	Testing of Digital System and Design of Testable system	3	0	3	7,5	Seçmeli
ECE 544	Artificial Intelligence Applications in Engineering	3	0	3	7,5	Seçmeli
ECE 545	Digital Image Processing	3	0	3	7,5	Seçmeli
ECE 546	Advanced Logical Circuit Design	3	0	3	7,5	Seçmeli
ECE 697	Seminar	0	1	0	7,5	Zorunlu
ECE 699	Thesis Work	0	1	0	20	Zorunlu
ECE 998	Field of Speciality	8	0	0	10	Zorunlu