



2023-2024 Academic Year
List of Courses Offered in Foreign Language

Institute of Science
Fen Bilimleri Enstitüsü

	Department <i>Bölüm</i>	Course Code <i>Ders Kodu</i>	ECTS <i>AKTS</i>	Course Title <i>Dersin Adı</i>	Semester <i>Dönem</i>	Course Content <i>Dersin İçeriği</i>	Academic Staff <i>Dersi Veren Öğretim Elemanı</i>	Online Available <i>Çevrimiçi</i>
1	Elektrik-Elektronik Mühendisliği <i>Electrical and Electronical Engineering</i>	EEM5056	6	Principles of Microwave Measurement	2	Coaxial Line and Waveguide Measurement, Algorithms for Permittivity and Permeability, Short-Circuited Line Methods, Other Transmission-Line Methods for material characterization, Measurement Methods for Liquids, Dielectric Measurements on Biological Materials, principles of VNA usage	Prof. Dr. Selçuk HELHEL	√
2	Elektrik-Elektronik Mühendisliği <i>Electrical and Electronical Engineering</i>	EEM7030	8	Microwave Filter Design	2	The content of the course is to design filters, single and multiple amplifiers, parametric amplifiers and oscillators in advanced high frequency circuits using microstrip structures.	Prof. Dr. Selçuk HELHEL	√
3	Elektrik-Elektronik Mühendisliği <i>Electrical and Electronical Engineering</i>	EEM7034	8	Power Generation Operation and Control	8	The course is concerned with the application of advanced technologies, analysis methods and tools for efficient system operation, control and reliability assessment of electrical power systems. In many applications of power engineering, power network analysis techniques are needed under steady-state conditions.	Assoc. Prof. H. Feza CARLAK	√