



2026-2027 Academic Year
List of Courses Offered in Foreign Language
2026-2027 Akademik Yılı
Yabancı Dilde Açılacak Dersler Listesi

Faculty of Science
Fen Fakültesi

	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	Chemistry	KIM 343	5	Introduction to Polymer Science	Fall	Nomenclature and classification of polymers and polymerization methods such as; radical, ionic addition polymerization and step-growth polymerization	Prof. Dr. Pınar Çamurlu	Yes
2	Chemistry	KIM 435	5	Polymer Science	Spring	Introduction, Some basic concepts, classification, molar mass, thermal transitions, thermosets and thermoplastics, chemical structures and physical properties. Polymer characterization, molar mass types and determination methods. end group analysis, colligative properties, static light scattering, refractive index, ultracentrifuge, viscosity, gel permeation chromatography. Mechanical properties, viscoelasticity, stress-strain relations and various deformations, mechanical analysis. Thermal properties, glass transition temperature, polymer morphology, thermal analysis. Basic methods used in polymer technology	Prof. Dr. Pınar Çamurlu	Yes