

Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri

Ders izlence Formu

Dersin Kodu ve İsmi	CHM 221 Analytical Chemistry
Dersin Sorumlusu	Doç. Dr. Ayça Demirel Özel
Dersin Düzeyi	Lisans
Dersin Kredisi	3
Dersin Türü	Zorunlu
Dersin İçeriği	Introduction (The Nature of Analytical Chemistry, Chemicals, Apparatus, and Unit Operations of Analytical Chemistry), Laboratory safety, Calculations Used in Analytical Chemistry, Aqueous Solutions and Chemical Equilibria, Solving Equilibrium Problems for Complex Systems, Gravimetric Methods of Analysis, Titrimetric Methods; Precipitation Titrimetry, Principles of Neutralization Titrations, Applications of Neutralization Titrations, Complexation Reactions and Titrations.
Dersin Amacı	Giving information to the students studying in food engineering about; precipitation assays related with qualitative and quantitative analytical chemistry, creation of the precipitates, theory and applications of the titrations, preparation of a solution and its adjustment, balance accounts and application to the analytical chemistry, acids and bases, pH calculations, neutralization reactions and their applications, giving the necessary information about the complexation reactions. Being informed about materials and equipment used in these processes. Giving information about the measures to work safely in the laboratory
Dersin Süresi	3 saat/hafta
Eğitim Dili	İngilizce
Ön Koşul	-
Önerilen Kaynaklar	Skoog DA, West DM, Holler FJ, Crouch SR. Fundamentals of Analytical Chemistry. Nelson Education; 2013.
Dersin Kredisi (AKTS)	4
Laboratuvar	-
Diğer-1	-