

Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri

Ders izlence Formu

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| Dersin Kodu ve İsmi | CHM 0219 Analytical Chemistry I |
| Dersin Sorumlusu | Doç. Dr. Ayça DEMİREL ÖZEL |
| Dersin Düzeyi | Lisans |
| Dersin Kredisi | 4 |
| Dersin Türü | Zorunlu |
| Dersin İçeriği | Introduction to Analytical Chemistry: Chemicals, Apparatus, Unit Operations of Analytical Chemistry, Calculations Used in Analytical Chemistry. Chemical equilibria: Aqueous Solutions and Chemical Equilibria. Effect of Electrolytes on Chemical Equilibria, Thermodynamic and Concentration Equilibrium Constants, Activity and Activity Coefficients, Solving Equilibrium Problems for Complex Systems by Using Systematic Method. Gravimetric Methods of Analysis: Gravimetric Calculations, Properties of Precipitates and Precipitating reagents, Applications of Gravimetric Methods. Titrations in Analytical Chemistry: Basic Principles, Standard Solutions, Titrimetric calculations, Precipitation and Neutralization Titrations. |
| Dersin Amacı | To teach the basic principles of qualitative and quantitative analysis, To teach the techniques for evaluating the analytical data, To give information about the bases of the gravimetric and titrimetric analysis. |
| Dersin Süresi | 4 saat/hafta |
| Eğitim Dili | İngilizce |
| Ön Koşul | - |
| Önerilen Kaynaklar | Fundamentals of Analytical Chemistry 8th Edition; Skoog, West, Holler, Crouch Translation Editors: E. Kılıç and H. Yılmaz, Bilim Publications, 2004. Fundamentals of Analytical Chemistry 9th Edition; F. James Holler, Stanley R. Crouch, 2013. |
| Dersin Kredisi (AKTS) | 4 (5) |
| Laboratuvar | - |
| Diğer-1 | - |