**Ankara Üniversitesi  
Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

Ders izlence Formu

|  |  |
| --- | --- |
| Dersin Kodu ve İsmi | CHM 102 BASİC CHEMISTRY |
| Dersin Sorumlusu | Arş. Gör. Dr. Aysel Koç Demir |
| Dersin Düzeyi | Bachelor’s Degree |
| Dersin Kredisi | 3 |
| Dersin Türü | Compulsory |
| Dersin İçeriği | Solutions, Chemical Kinetic, Chemical Equilibrium, Acids and bases, Solubility and complex ion-equilibria, Termochemistry |
| Dersin Amacı | Definitions for concentration, colligative properties of solutions, electrolytes, dissociation (dissocIation and interionic attractive forces), solubilities, colloids, solution reactions: Acids and bases, neutralization, polyprotic acids, hydrolysis and amphoterism, the stoicniometry of the solutions, chemical Kinetics, chemical Equilibrium, the equilibrium in aqueous solutions: dissociation, the dissociation of weak acids and bases, calculations based on ionization constants, the autoprotolysis of water, pH and pOH, buffer solutions, complex ions, solubility and precipitation, simultaneous equilibrium, hydrolysis. |
| Dersin Süresi | 4 saat/hafta |
| Eğitim Dili | İngilizce |
| Ön Koşul |  |
| Önerilen Kaynaklar | General Chemistry: Principles and Modern Applications (Petrucci) |
| Dersin Kredisi | 3 |
| Laboratuvar | - |
| Diğer-1 | - |