**Ankara Üniversitesi  
Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

Ders izlence Formu

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| Dersin Kodu ve İsmi | CHM101 |
| Dersin Sorumlusu | PROF.DR. MERAL KARAKIŞLA ŞAHİN |
| Dersin Düzeyi | LİSANS |
| Dersin Kredisi | Kredi: 3, AKTS . 5 |
| Dersin Türü | ZORUNLU |
| Dersin İçeriği | Advanced Theories of Chemical Bonding, Molecular Dipole moment, Types of intermolecular forces that exist between molecules, The Shape of Molecules and Hybridization of Atomic Orbitals, The nuclear Chemistry, radioctivity, Types of radiation, Nuclear Stability, Nuclear Reactions, liquids, Characteristics of Liquids, Properties of Liquids, Surface Tension and Capillary Action, Viscosity, Phase Diagrams, Liquid-Vapor Equilibrium, Physical Properties of Solutions, Types of Concentration Units, Solubility, Effect of Temperature on Solubility, Colligative Properties of Solutions |
| Dersin Amacı | It is purpose to understand molecular structure and inter and intra molecular behaviors of chemical compounds and by using knowledges about general chemistry. To have an idea about the shape of molecules what by related models learned in this lesson. In additon to to learn the the interesting features of liquids and solutions that help us to explain the events that are happening around us |
| Dersin Süresi | 4 saat/hafta |
| Eğitim Dili | İNGİLİZCE |
| Ön Koşul | --- |
| Önerilen Kaynaklar | 1-Chang, Raymond. "Hybridization of Atomic Orbitals." Physical Chemistry for the Biosciences. Sansalito, CA: University Science, 2005. 450-55.  2-Petrucci, Ralph H. "Hybridization of Atomic Orbitals." General Chemistry: Principles and Modern Applications. 9th ed. Upper Saddle River, NJ: Pearson/Prentice Hall, 2007.  3-General Chemistry, William H. Nebergall, Henry F. Holtczlaw, William R. Robinson, D.C. Heath and Company, 1980 |
| Dersin Kredisi | 3 |
| Laboratuvar | -- |
| Diğer-1 |  |