

Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri

Syllabus

Course Code and Title	BIO 359, BIOCHEMISTRY LABORATORY I
Instructors	Prof. Dr. ÖZLEM YILDIRIM Assoc. Prof. Dr. FADİME KIRAN
Course Level	Bachelor's Degree
Course Credit	1.0
Course Type	Compulsory
Course Content	Buffer solutions used in the experiments are calculated and prepared. Titrations and qualitative observations are achieved.
Course Goals	Biochemistry laboratory conditions and working rules are adopted. Using their biochemical properties of macromolecules such as protein and carbohydrate, the experiments which are necessary for the detection of the entities are designed and the ability to interpret the results is gained.
Learning Outcomes	1) Biochemical solutions which are used in applications about biological systems are calculated and prepared. 2) The aminoacids in a solution are identified by utilizing the titration graphs of aminoacids. 3) Using qualitative and quantitative experiments, existing of proteins in a solution is detected and measured. 4) Existing of proteins in biological solutions is identified.
Course Time	45'+45'
Language of Instruction	English
Prerequisites	None
Recommended Sources	1) A.Ü. Fen Fakültesi Biyoloji Bölümü Biyokimya Laboratuvarı Kılavuzu, Yıldırım Ö., Fakülte Basımevi, 2009. 2) Modern Experimental Biochemistry, Boyer R., Benjamin Cummings, third edition, 2000. 3) Basic Concepts in Biochemistry, A Student's Survival Guide, H. F. Gilbert, McGraw-Hill Health Professions Division, 2000.