



Code	Subject Title	Cr. Hrs	Semester
CHEM-324	Bio Chemistry Lab	2	VI
Year	Discipline		
3	Chemistry-I, II		

SYLLABUS OUTLINE:

1. Lipids:

Qualitative tests for lipids including fatty acids, sterols and phospholipids. Lipids separation from Calf brain tissue. Acid value, Saponification Value and Iodine Value of fats. Extraction and TLC of Wheat Lipids.

2. Amino Acids and Proteins:

Qualitative tests of amino acids, determination of isoelectric Point. Isolation and solubilization of proteins from plant and animal origin. Hydrolysis of proteins. Estimation of proteins by Kjeldahl method. Isolation of enzyme amylase, a study on its properties and catalytic activity.

RECOMMENDED BOOKS:

1. Practical clinical Biochemistry by Varley. Pub: CBS publisher
2. An Introduction to Practical Biochemistry By D. T. Plummer 3rd ed. (1987) Pub: McGraw Hill