

COURSE OBJECTIVES AND COURSE OUTCOMES

S. Y. B. Sc. SEMESTER - III

SUBJECT: CHEMISTRY PAPER - III (USCH303)

Sr. No.	Course Objectives	Course Outcomes
1)	To learn the basic concepts such as sampling, types of errors, accuracy and precision	Students will get insight into basic concepts of Analytical chemistry
2)	To expose students to various types of titration methods	They will gain knowledge about different types of titration methods and will be able to apply their knowledge into various quantitative studies
3)	To teach students the theory and practical techniques of gravimetric analysis	They will develop a better understanding of the qualitative and quantitative methods used in the laboratory
4)	To expose students to various instrumental methods	Students will develop the confidence to handle various instruments
5)	To get insight into separation techniques	Students will be exposed to various extraction and separation techniques

S. Y. B. Sc. SEMESTER - IV

SUBJECT: CHEMISTRY PAPER - III (USCH403)

Sr. No.	Course Objectives	Course Outcomes
1)	To expose students to field of chromatography	Learners will be independently able to separate components of a mixture
2)	To expose students to various separation techniques based on electrochemical properties	Students will get insight into theory and application of electrophoresis
3)	To get insight into separation techniques based on physical properties	Learner will understand the mechanism and practical use of solvent extraction
4)	To understand the statistical treatment of analytical data	They will be able to comprehend significance of accuracy, precision and will be better equipped to minimize errors
5)	To get comprehensive information about various instrumental methods	The learners will gain confidence to independently handle instruments like potentiometry, pH metry and conductometry