

APPLIED CHEMISTRY (BS-ADP 7th Semester)

Module Code:	Chem-432
Module title:	Applied Chemistry Lab - II
Name of Scheme:	BS-ADP 7th Semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES

Students will learn that how to apply the basic and instrumental techniques to determine metal ions in metallurgical samples.

SYLLABUS OUTLINE:

Analysis Iron in steel by titrimetry, Analysis of Nickel in steel by Gravimetry and Solvent Extraction, Analysis of Chromium in steel by Spectrophotometry, Heavy metal analysis of steel by AAS, Analysis of dolomite, chromite and bauxite Ore by titration method.

RECOMMENDED BOOKS:

1. Applied Chemistry, Haq Nawaz Bhatti and Muhammad Salman, 2017, Caravan Book Publisher, Pakistan.
2. Chemistry of iron and Steel Manufacture, C. Bodsworth, Longman Press, London, 1963.
3. Graham's Electroplating Engineering Hand Book, Ed. L.J. Durney, CBS Publishers and Distributors, New Delhi. (1997).
4. Nickel and Chromium plating, J.K. Dennis & T.E. Such, Newness Butterworth, London (1972).