

APPLIED CHEMISTRY (BS-ADP 8th Semester)

Module Code:	Chem-476
Module title:	Applied Chemistry Lab - III
Name of Scheme:	BS-ADP 8th Semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES

Students will understand about the Applications of Analytical techniques in chemical characterization of dyes. Also they will learn how to apply dyes to fabrics.

SYLLABUS OUTLINE:

Dyeing of clothes in different shades using Acid dyes, Determination of pK value of indicators (methyl orange and methyl red). Catalytic / photolytic degradation of Dyes. Removal of dyes from industrial effluents. Estimation of dyes by spectrophotometry.

RECOMMENDED BOOKS:

1. Applied Chemistry, Haq Nawaz Bhatti and Muhammad Salman, 2017, Caravan Book Publisher, Pakistan.
2. Dyes and Dyeing, C.E. Pellow, Abhishek Publishers, 1998.
3. Textile Dyes and Pigments, H. Panda, NIIR Publishers.
4. Fibre to fabric, 4th Ed, Potter & Corban, McGraw Hill book Company, 1959.
5. Sugar: Science and Technology, G. G. Birch and K.. J. Parker, Applied Science Publishers Ltd., 1979.
6. Principles of Sugar Technology, Pieter Honig Vol I, Elsevier Publishing Company, 1953.