

**APPLIED CHEMISTRY (BS-ADP 7<sup>th</sup> Semester)**

<b>Module Code:</b>	<b>Chem-434</b>
<b>Module title:</b>	<b>Applied Chemistry Lab - III</b>
<b>Name of Scheme:</b>	<b>BS-ADP 7<sup>th</sup> Semester</b>
<b>Department:</b>	<b>School of Chemistry</b>
<b>Faculty:</b>	<b>Science</b>
<b>Module Type:</b>	<b>Compulsory</b>
<b>Module Rating:</b>	<b>1 credit</b>

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**OBJECTIVES**

Student will apply the analytical techniques for characterization of Industrial samples.

**SYLLABUS OUTLINE:**

Spectrophotometric analysis of iron in pharmaceutical tablets, Chlorides in water, phosphates in fertilizers, Chromium in Tannery wastewater, Recovery of chromium from tannery waste water, Application of AAS on analysis of heavy metals of various industrial effluents.

**RECOMMENDED BOOKS:**

1. T. B. of Quantitative Inorganic Analysis, Vogel's Ed-4<sup>th</sup>, Longman Group Limited (1978).
2. Applied Chemistry, Haq Nawaz Bhatti and Muhammad Salman, 2017, Caravan Book Publisher, Pakistan.
3. Instrumental Analysis, Gary D. Christain, 1978, Introduction to Instrumental Analysis by Braun, McGraw-Hill Book company, 1987.
4. Instrumental Analysis by B.K. Sharma