ANALYTICAL CHEMISTRY (BS-ADP 7th Semester)

Module Code:	**Chem-423**
Module title:	**Analytical Chemistry Lab - I**
Name of Scheme:	**BS-ADP 7th Semester**
Department:	**School of Chemistry**
Faculty:	**Science**
Module Type:	**Compulsory**
Module Rating:	**1 credit**

OBJECTIVES:

This course will be helpful to students in understanding electroanalytical techniques. Its basic and advance applications in aqueous and non aqueous titerations.

SYLLABUS OUTLINE:

1. Conductometry:

Determine the amount of HCl conductometrically by using strong base NaOH.
Determine the amount of base NH_4OH conductometrically by using strong acid.
Determine the amount of NH_4OH by using weak acid CH_3COOH conductometrically.
Determine the amount of NaOH conductometrically by using weak acid CH_3COOH.

2. Potentiometry:

Determine the amount of HCl by using strong base (NaOH) potentiometrically.
Determine the amount of HCl by using weak base (NH4OH) potentiometrically.
Determine the amount of CH3COOH by using strong base (naoh).
Determine the amount of HCl & CH3COOh conductometrically by using strong base NaOH.
Simple acid base titrations using potentiometer.
Determination of “F” in water by using ion selective electrodes.

RECOMMENDED BOOKS:

1. Vogels, text book of Quantitative chemical analysis by J.mendham, RCDenny, JDBarnes, MJ KTHomas, Pearson education Ltd.