

Course Code	Course Name	Credits
26CH153	INORGANIC QUALITATIVE ANALYSIS	02

### Objective

The objective of this laboratory course is to teach students the importance of chemical analysis in different scientific fields, identify the scientific fields where chemical analysis is important and explain how it is used, explain qualitative analysis, describe the different tests used in qualitative analysis and suggest the type of chemical analysis (or even the specific type of test) for a given experiment or scenario.

1. Analysis of a mixture containing one cation and one anion of which one will be an interfering acid radical.
2. Semimicro methods using the conventional scheme with hydrogen sulphide may be adopted.
3. Cations to be studied: lead, copper, bismuth, cadmium, iron, aluminium, zinc, manganese, cobalt, nickel, barium, calcium, strontium, magnesium and ammonium.
4. Anions to be studied: Carbonate, Sulphide, Sulphate, nitrate, chloride, bromide, fluoride, borate, oxalate and phosphate

*Students are required to perform and record at least eight experiments in the laboratory manual as part of the course requirements.*

