

## **BASIC CHEMICALS – part. 2 (35H).**

**1. A brief reminder of the basic notions of chemistry illustrated by practical examples and exercises:**

- Measurements and uncertainties
- Model of the atom
- Chemical bonds
- Matter and its states
- Geometry and isomerism
- The nomenclature
- Solution chemistry (acid/base; redox, etc.)
- Laboratory equipment
- Safety and Hygiene
- Method of analysis

**2. Practical work: use of common equipment and practical application.**

- Analysis of samples to control the use of a thermometer, spectrophotometer, pH meter, conductivity meter, and a precision balance Réaliser une dilution, dissolution,
- To carry out a dilution, dissolution
- To carry out a pH-metric monitoring
- To carry out a vacuum filtration
- To carry out a pH-metric titration
- To carry out a thin layer chromatography