

Course Outcome

Chemistry

Under Curriculum and Credit Framework for Undergraduate Programme (CCFUP)
as per National Education Policy 2020

Semester – I

Paper code: CHEM1011 (Chemistry Major)

Paper title: Basic Chemistry-I

Course objective

- Several fundamental aspects of inorganic, organic and physical chemistry is discussed for the basic understanding of the students
- The topics covered will help the students for studying higher in chemical sciences
- Easy organic chemistry practical using several chemical and physical methods will enhance the basic knowledge of students' hands-on training

Course outcome

Students will be introduced with several basic aspects of theory and practical of chemical sciences. This will grow the foundation of the subject for studying various advanced topics in future semesters.

Paper code: CHEM1021 (Chemistry Minor)

Paper title: General Chemistry-I

Course objective

- Several fundamental aspects of the subject are discussed so that the principles can be useful for studying other branches of science (physical and/or biological sciences)
- Practical experiments are designed in such a way that the students of other disciplines can have an experience of hands-on training in chemistry at the primary level

Course outcome

On studying the course, the students will have an idea of chemical sciences, which may be applied for in-depth study of other science streams.

Paper code: CHEM1031 (MULTIDISCIPLINARY)

Paper title: Chemistry for Household Importance

Course objective

Several topics related to everyday life have been included to grow interest among students for the subject

Course outcome

After studying the topics these may help the students to get employment.

Paper code: CHEM1051 (SKILL ENHANCEMENT COURSE)

Paper title: Drugs and pharmaceuticals

Course objective

- Design and development of several organic drugs
- The very detail discussion for growing of very clear idea about the drugs, their synthesis and physiological action

Course outcome

The clear idea about the drugs may not only grow the general sense about the synthesis and mode of action of the drugs but also help them to have employment in pharmaceutical industry

Semester – II

Paper code: CHEM2011 (Chemistry MAJOR)

Paper title: Basic Chemistry-II

Course objective

- Several basic topics from inorganic, organic and physical chemistry have been chosen for the development of the general chemistry knowledge of the students.
- This will help to grow the foundation for studying the several aspects of applied chemistry in future.

Course outcome

The topics will grow the foundation of the students for the subject chemistry for learning any further advanced topics.

Paper code: CHEM2021 (Chemistry MINOR)

Paper title: General Chemistry-II

Course objective

- Several basic aspects from inorganic, organic and physical chemistry have been discussed
- Generation of idea for studying physical and biological sciences in future

Course outcome

The idea created from this course may help to understand students for further studying physical, biological and material sciences.

Paper code: CHEM2031 (MULTIDISCIPLINARY)

Paper title: Chemistry of Dyes, Pigments, Cosmetics and Perfumes

Course objective

Introduction of idea of every day products of chemical industries

Course outcome

Development of idea of several molecules and materials related to dye and cosmetics industry

Paper title: CHEM2051 (SKILL ENHANCEMENT COURSE)

Paper code: Basic Analytical Chemistry

Course objective

- Development of skill for analyzing several natural and synthetic samples to find out their purity, composition, etc
- Development of skill for advanced separation techniques for natural and synthetic samples

Course outcome

This course will develop the analysis as well as separation skills of the students which may help them to motivate for joining research and/or have employment.