

Course Title: Chemistry-SEC: BUSINESS SKILLS FOR CHEMISTS <i>w.e.f. the session 2023-24 and onwards</i>	
Class: B.Sc. Pt.-II / Semester-IV	Course code: BCH-S401
Lectures:30	Credits:04
MM : 70	Exam. Hrs.: 03

NOTE: The question paper shall consist of Two sections (Sec.-A and Sec.-B). Sec.-A shall contain 10 short answer (about 150 words) type questions of SIX marks each and student shall be required to attempt any five questions. Sec.-B shall contain 08 descriptive type questions of TEN marks each and student shall be required to attempt any four questions. Both sections shall have questions from the entire syllabus. The previous year paper/model paper can be used as a guideline and the following syllabus should be strictly followed while setting the question paper.

Course Contents:

Business Basics

(Lectures: 06)

Key business concepts, Business plans, Market need, Project management, Routes to market, Concept of entrepreneurship

Chemistry in industry

(Lectures: 06)

Current challenges and opportunities for the chemistry-based industries.

Role of chemistry in India and global economies. concept of Green Economy

Chemistry based products in the market.

Finance and Case Studies

(Lectures: 06)

• Basic idea of key terms and concepts of finance

• Financial aspects of business

• Financial Case study of Successful business ideas in chemistry

Intellectual property

(Lectures: 06)

Concept of intellectual property, illustration of types of intellectual property with example, meaning of inventor ship and ownership.

References

1. www.rsc.org

2. Nwaeke, L.I.(2002), Business Concepts and Perspectives, Springfield Publishers.

3. Silva, T. D. (2013), Essential Management Skills for Pharmacy and Business Managers, CRC Press.

Course Objectives

1. To enhance the business and entrepreneurial skills of chemistry students and improve their employment prospects.

2. To orient the students to understand the industry - chemistry relationship, challenges and business opportunities.

3. Course will expose the students to the concepts of intellectual property rights, patents and commercialization of innovations.

4. It will enhance the ability of project Management

Course Outcomes:

By the end of this course, students will be able to:

CO:1 Understand the process of business planning and its structure

CO:2 Factors affecting Business plan

CO:3 SWOT analysis for capabilities assessment

CO:4 Learn basics skills of business and project management.

CO:5 Financial aspects of business with its main points

CO:6 Basics of Project Management

CO:7 How to protect ideas and innovations.

CO:8 Scope of Chemistry in daily life and in Industry.

Mapping of course Outcomes (COs) with program outcomes (POs)

Course Outcomes/Program outcomes	1	2	3	4	5	6	7	8
CO:1	X							X
CO:2	X	X		X				X
CO:3								
CO:4	X				X		X	
CO:5	X	X	X	X	X			
CO:6								
CO:7		X						
CO:8		X	X					X

Put 'X' in relevant column