



**SECOND-YEAR OF BACHELOR OF SCIENCE
CHEMISTRY OPEN ELECTIVE COURSE
REVISED SYLLABUS ACCORDING TO CBCS
NEP2020**

**COURSE TITLE: MEDICINES IN EVERYDAY LIFE
SEMESTER-IV
W.E.F. 2024-2025**

**RECOMMENDED BY THE BOARD OF STUDIES IN CHEMISTRY
AND
APPROVED BY THE ACADEMIC COUNCIL**

Devrukh Shikshan Prasarak Mandal's

Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and
Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh.
Tal. Sangameshwar, Dist. Ratnagiri-415804, Maharashtra,
India

Academic Council Item No:

Name of the Implementing Institute	:	Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce, and Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh. Tal. Sangameshwar, Dist. Ratnagiri-415804,
Name of the Parent University	:	University of Mumbai
Name of the Programme	:	Bachelor of Science
Name of the Department	:	Chemistry
Name of the Class	:	Second Year
Semester	:	Fourth
No. of Credits	:	02
Title of the Course	:	Medicines in Everyday Life
Course Code	:	CHOE203
Name of the Vertical in adherence to NEP 2020	:	Generic/ Open Elective Courses
Eligibility for Admission	:	Any student admitted to Second Year Degree Programme in adherence to Rules and Regulations of the University of Mumbai and Government of Maharashtra
Passing Marks	:	40%
Mode of Assessment	:	Formative and Summative
Level	:	UG
Pattern of Marks Distribution for SEE and CIA	:	40:60
Status	:	NEP-CBCS
To be implemented from Academic Year	:	2024-2025
Ordinances /Regulations (if any)		

Nya. Tatyasaheb Athalye Arts, Ved. S. R. Sapre Commerce and Vid. Dadasaheb Pitre Science College, Devrukh (An Autonomous College Affiliated with University of Mumbai)

Syllabus for Second Year of Bachelor of Science in Chemistry

(With effect from the academic year 2024-2025)

SEMESTER-IV

Course Title: Medicines in Everyday Life

No. of Credits - 02

Type of Vertical: Generic/Open Elective Courses

COURSE CODE: CHOE203

Learning Outcomes Based on BLOOM's Taxonomy:

After completing the course, the learner will be able to...		
Course Learning Outcome No.	Blooms Taxonomy	Course Learning Outcome
CLO-01	Understand	know the different types of medications, different dosage forms, routes of administration and excretion of drugs.
CLO-02	Understand	understand the types, storage, use and adverse effects of medicines in everyday life.

Syllabus for Second Year of Bachelor of Science in Chemistry**(With effect from the academic year 2024-2025)****SEMESTER-IV****Course Title: Medicines in Everyday Life****No. of Credits - 02****Type of Vertical: Generic/Open Elective Courses****COURSE CODE: CHOE203**

COURSE CONTENT			
Module No.	Content	Credits	No. of Hours
1	INTRODUCTION TO MEDICINES <ul style="list-style-type: none"> ○ Definition of medicines, History of medicines ○ Different types of medicines- allopathic, ayurvedic, homeopathic, Generic and branded medicines, prescription and non-prescription medicines ○ Different dosage forms of medicines, Different routes of drug administration ○ Action of drug in the body, metabolism and excretion of drugs 	01	15
2	TYPES, STORAGE, USE AND ADVERSE EFFECTS OF MEDICINES <ul style="list-style-type: none"> ○ Antiseptic medicines- Dettol, iodine solution, creams, etc. ○ Analgesic and antipyretic- paracetamol, aspirin, ibuprofen, diclofenac ○ Antiallergic and antacids- cetirizine, omeprazole, gelusil, eno ○ Antidiabetic medicines- metformin, insulin therapy ○ Antibiotics- penicillin's, floxacins. ○ Anti-TB and anti-leprosy drugs- DOTs therapy, MDT ○ Antivascular (heart) drugs- sorbitrate ○ Anti-cancer- chemotherapy, taxol ○ Other useful medicines 	01	15
	Total	02	30

Access to the Course

The course is available for all the students admitted for Bachelor of Arts and Commerce faculties.

Methods of Assessment

The assessment pattern would be 40:60, 60% for Semester End Examination (SEE) and 40% for Continuous Internal Assessment (CIA). The structure of the SEE and CIA would be as recommended by the Board of Studies and approved by the Board of Examination and the Academic Council of the college.

References:

1. An Introduction to Drug Synthesis, Graham L. Patrick, Oxford University Press
2. <https://patient.info/treatment-medication/medicines-to-keep-at-home>
3. <https://ncert.nic.in/textbook/pdf/lech207.pdf>
4. <https://pharmafranchisecompanies.com/type-of-medicines-allopathic-ayurvedic-homeopathic/>
5. <https://kidshealth.org/en/teens/meds.html>