

Date: 15th July, 2022

To,
The Principal,
G S Science, Arts and Commerce College, Khamgaon

Subject: Proposal to Start Bridge Course in **Organic Chemistry as a Second Language**

Dear Sir,

I the undersigned most humbly bring in your kind consideration that the PG students of the Chemistry department appear in national level examination like NET, SET, GATE, etc. Considering the gap in the syllabus at UG level and PG level, we need to provide a bridge course in **Organic Chemistry as a Second Language**. This course will be certainly helpful to make the students competent and also to crack examination like NET/ SET.

I wish to propose to start a bridge course in **Organic Chemistry as a Second Language**. The detailed plan of action is attached herewith. This course will be an addition to efforts made by our institutes in achieving its vision and mission.

Please take necessary action to start this course.

Yours



Dr H S Chandak

Copy to the Chairman, CDC, G S Science, Arts and Commerce College, Khamgaon

G. S Science, Arts and Commerce College, Khamgaon
Department of Chemistry

Bridge Course in
Organic Chemistry as a Second Language
(Proposed for the session 2022-23)

Submitted by
Dr H. S. Chandak
Professor and Head, Department of Chemistry
G S Science, Arts and Commerce College, Khamgaon

Members of Committee

(Board of Studies)

For the conduct of bridge course in **Organic Chemistry as a Second Language**, I hereby suggest to constitute the following committee -

Sr. No.	Faculty	Designation	Department	Name of Institute
1	Dr H S Chandak	Professor and Head & Coordinator	Chemistry	G S Science, Arts and Commerce College, Khamgaon
2	Dr Rohinee R Dharamkar	Assistant Professor (Contract)	Chemistry	G S Science, Arts and Commerce College, Khamgaon
3	Mohd.Ali Mohd. Najmullah	Assistant Professor (Contract)	Chemistry	G S Science, Arts and Commerce College, Khamgaon
4	Mr Nilkesh D Dhurve	Assistant Professor	Chemistry	S PM College Nandura
5	Ms Punam Takarde	Assistant Professor (CHB)	Chemistry	G S Science, Arts and Commerce College, Khamgaon

Plan of Action (Requirements)

NAME OF COURSE	:	Bridge course in Organic Chemistry as a Second Language
ELIGIBILITY OF ADMISSION	:	Any bonafide student of our college admitted to MSc (Chemistry)
NO. OF TEACHING HOURS	:	38 h (6h/week)
EXAMINATION PATTERN	:	Assignment submission on each module and Multiple choice Question based final exam
FACULTY PROFILE	:	<ol style="list-style-type: none"> 1. Dr H S Chandak 2. Dr. Rohinee Dharamkar 3. Mohd.Ali Mohd.Najmullah 4. Mr. Nilkesh D Dhurve 5. Ms Punam Takarde 6. Any other (as per requirement)
COURSE FEES	:	Rs 400
COURSE COMMENCEMENT	:	First week of November 2021
REGISTRATION FROM	:	Proposed as under (Google form)

Registration Form:

Course Name: Bridge course in **Organic Chemistry as a Second Language**

Name			
	First Name	Middle Name	Surname
Gender	Male/Female		
Category	SC/ST/OBC/VJ-NT/SBC/General (Tick appropriate)		
Class	M.Sc. I/ MSc II		
Contact Number			
	Primary	Secondary	Parent
Email			
	Primary		Secondary
ADHAR/ UID			
Admission receipt No.			

Proposed Syllabus (2021-22)

Course Outcome (Proposed)

This is a very comprehensive course for Organic Chemistry designed for all University level students with basic General Chemistry knowledge. Probable Course Outcomes are:

- Students will learn how to name and draw the structures of organic compounds, understand their reactions and behavior, understand their synthesis, and in turn, this course will serve as a stepping stone in understanding your surroundings at a micro level.
- Students would realize the importance of reaction intermediates in understanding reaction mechanism.
- Students will get lifetime access to the course which includes notes and a comprehensive mind map in order to memorize the main organic reactions.

The course will be delivered in following 12 modules:

1. **Line Structure drawings (2 hr)**
2. **Resonance (3 Hr)**
3. **Acid- Base reactions (4 Hr)**
4. **Geometry (2Hr)**
5. **Nomenclature (4 Hr)**
6. **Conformations (3 Hr)**
7. **Configurations (3 Hr)**
8. **Mechanism (4 hr)**
9. **Substitution Reaction (3 hr)**
10. **Elimination Reaction (3 Hr)**
11. **Addition Reaction (3 hr)**
12. **Predicting product of a reaction (4 hr)**

Reference Book:

- Organic Chemistry as a Second language: David Klein
- Organic Chemistry By Clayden, Greeves, Warren and Wothers
- Advanced Organic Chemistry” by Francis A. Carey and Richard J. Sundberg, 5th Edition, 2007 (Part A: Structure and Mechanisms & Part B: Reactions and Synthesis)
- Graham Solomons – Fundamentals of Organic Chemistry



Dr H S Chandak
Course Coordinator

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