

# TEACHING AND EVALUATION PLAN

Name of the teacher: Prof. Yogesh Vilas Zagade

Year: 2020-21

Semester: I

Subject: Organic Stereochemistry and Asymmetric synthesis

Paper: CHO-352

Class: M.Sc.- II

Part I : Teaching Plan						Part II : Evaluation of Plan			
1	2	3	4	5	6	7	8	9	10
Sr. No.	Month	Week	No. of working days	No. of periods available	Topics to be taught	No. of periods engaged	Topics taught	Deviation in periods	Remarks
1	Oct 2020	1 & 2	10	8	Confirmation of polysubstituted cyclohexane	8	Confirmation of polysubstituted cyclohexane	Nil	--
2	Oct 2020	3 & 4	12	10	Stereochemistry of fused and Bridged ring system	10	Stereochemistry of fused and Bridged ring system	Nil	--
3	Nov 2020	1 & 2	13	7	Determination of configuration by cams rule and Different model	8	Determination of configuration by cams rule and Different model	1	Extra lecture was conducted on sunday
4	Nov 2020	3&4	11	8	ASymmetric synthesis chiral pool strategy	8	ASymmetric synthesis chiral pool strategy	Nil	--
5	Dec 2020	1&2	12	8	Asymmetric organic catalysis to a Asymmetric hydrogenations	8	Asymmetric organic catalysis to a Asymmetric hydrogenations	Nil	--



Semester II

Paper: IV CHI-230 Co ordination &amp; bioinorganic Chemistry

Year : 2020-21

Part I : Teaching Plan						Part II : Evaluation of Plan			
1 Sr. No.	2 Month	3 Week	4 No. of working days	5 No. of periods available	6 Topics to be taught	7 No. of periods engaged	8 Topics taught	9 Deviation in periods	10 Remarks
1	Dec 2023	4	6	2	Overview of biinorganic chemistry	2	Overview of biinorganic chemistry	Nil	--
2	Jan 2024	1 & 2	12	5	HSAB concepts, biopolymer effect	8	HSAB concepts, biopolymer effect	3	Extra lecture was conducted
3	Jan 2024	3 & 4	12	8	Function & Transport of alkali & Alkaline earth metal ions	9	Function & Transport of alkali & Alkaline earth metal ions	1	Extra lecture was conducted
4	Feb 2024	1 & 2	12	8	Biochemistry of elements	9	Biochemistry of elements	1	lecture was conducted
5	Feb 2024	3 & 4	12	6	Porphyrin based system	6	Porphyrin based system	nil	-

1 The plan should be prepared in duplicate.

2 One copy of the plan should be submitted at the beginning of the term after filling up columns 1 to 6.

3 The second copy must be retained by the teacher and submitted at the end of the term. Part second of the plan i. e. coumns 7 to 10 must be filled up progressively at the end of every week.

Signature of Teacher

Signature of Head of Department  
HeadDepartment Of Chemistry  
Arts, Science & Commerce  
College, Indapur, Dist. Pune

Signature of Faculty In-charge

Incharge  
Science Faculty  
Arts, Science & Commerce  
College, Indapur, Dist. Pune

Signature of the Principal

PRINCIPAL  
ARTS, SCIENCE AND  
COMMERCE COLLEGE  
INDAPUR-413106 DIST-PUNE



## Part I : Teaching Plan

1	2	3	4	5	6	7	8	9	10
Sr. No.	Month	Week	No. of working days	No. of periods available	Topics to be taught	No. of periods engaged	Topics taught	Deviation in periods	Remarks
1	Dec 2020	2 & 4	12	4	X-ray Diffraction Methods: Miller and Weiss indices, Bragg's law, Reciprocal lattice.	4	X-ray Diffraction Methods: Miller and Weiss indices, Bragg's law, Reciprocal lattice.	Nil	--
2	Jan 2021	1 & 2	11	4	Transmission Electron Microscopy: Instrumentation SAD, Ultramicrotomy.	5	Transmission Electron Microscopy Instrumentation, electron source, Ultramicrotomy.	1	Extra lecture was conducted
3	Jan 2021	3 & 4	12	4	Scanning Electron Microscopy: Instrumentation, Optical arrangement, detector, Astigmatism.	4	Scanning Electron Microscopy: Instrumentation, Optical arrangement, detector Astigmatism.	Nil	--
4	Feb 2021	1,2,3 and 4	24	8	X-ray spectroscopy for elemental analysis: Feature of characteristic X-ray, types Selection rule, comparison of K, L, and M series, WDS, EDS, XRF	8	X-ray spectroscopy for elemental analysis: Feature of characteristic X-ray, types Selection rule, comparison of K, L, and M series, WDS, EDS, XRF	Nil	--

## Part II : Evaluation of Plan

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Head  
Department Of Chemistry  
Arts, Science & Commerce  
College, Indapur, Dist. Pune

Incharge  
Science Faculty  
Arts, Science & Commerce  
College, Indapur, Dist. Pune

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COLLEGE  
INDAPUR, DIST. PUNE

Signature of Teacher  
Principal

Signature of Head of Department

Signature of Faculty In-charge

Signature of the

Arts, Science and Commerce College, Indapur, Dist. Pune  
TEACHING AND EVALUATION PLAN

Name of the teacher: Prof. Mane Pranjali Suryakant	Year: 2020-2021	Semester: IV
Subject: Organic Chemistry	Paper: CHO-451 ( Organometallic Reagent in Organic Synthesis)	Class: M.Sc II Year

Part I : Teaching Plan					Part II : Evaluation of Plan				
1	2	3	4	5	6	7	8	9	10
Sr. No.	Month	Week	No. of working days	No. of periods available	Topics to be taught	No. of periods engaged	Topics taught	Deviation in periods	Remarks
1	Nov 2020	3 & 4	9	8	Transition metal complexes in organic synthesis: Ligand and % mole concepts.	8	Transition metal complexes in organic synthesis: Ligand and % mole concepts.	Nil	--
2	Dec 2020	1 & 2	12	8	C-C, C-N, C-O bond formation reactions with catalytic cycle.	8	C-C, C-N, C-O bond formation reactions with catalytic cycle.	Nil	--
3	Dec 2020	3 & 4	11	7	C=C bond formation reactions.	8	C=C bond formation reactions.	1	Extra lecture done on sunday
4	January 2021	1 & 2	11	8	Multi component reactions, Ring formation reactions, Click chemistry.	8	Multi component reactions, Ring formation reactions, Click chemistry.	Nil	--
M	January 2021	3 & 4	12	8	Metathesis: ROM, RCM, OCM Use of Boron and silicon reagent in organic synthesis.	8	Metathesis: ROM, RCM, OCM Use of Boron and silicon reagent in organic synthesis.	Nil	--

*Principle*

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