

Sri. Ch. Balasaheb Ambedkar Mahavidyalaya (Autonomous), Latur
Department of Chemistry & Analytical, Chemistry
Structured Work Plan for Teaching
Academic Year: 2021-22 (Term-I)
Faculty Name: Dr. Kundan Chandramani Tayade

1. Details of Classes to be taught:

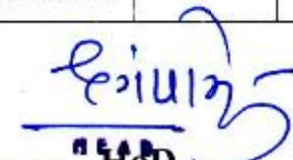
Sr. No.	Name of Assistant Professor	Subject	Class	Paper
1	Dr. Kundan Chandramani Tayade	Analytical Chemistry	B. Sc. II	Instrumental Methods of Chemical Analysis-VI (U-ANC-356)
2		Analytical Chemistry	B. Sc. III	Modern Techniques of Chemical Analysis-IX (U-ANC-571)

2. Summary of Lesson Plan:

Program: B.Sc. II (Third Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit -I Spectroscopic Methods-I	05.07.2021 to 09.08.2021	15	Home Assignments, Tutorials, Seminars, ICT, Jeopardy, Innovative Teaching Learning Pedagogies (LMS, Interactive Slides, etc)	Unit Test Based on first 50% syllabus UT-I (01.09.2021 to 09.09.2021) UT-II (06.10.2021 to 12.10.2021)
2		Unit -II Spectroscopic Methods-II	10.08.2021 to 22.09.2021	18		
3		Unit -III Electron Microscopy	27.09.2021 to 06.10.2021	07		
4		Unit -IV: Green Atomic Force Microscopy	18.10.2021 to 27.10.2021	05		


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3. Summary of Lesson Plan:
Program: B.Sc. III (Fifth Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit -I Infrared Spectroscopy	08.07.2021 to 31.07.2021	12	Home Assignments, Tutorials, Seminars, ICT, Jeopardy, Innovative Teaching Learning Pedagogies (LMS, Interactive Slides, etc)	Unit Test Based on first 50 % syllabus UT-I (01.09.2021 to 09.09.2021) UT-II (06.10.2021 to 12.10.2021)
2		Unit -II 1H NMR Spectroscopy	05.08.2021 to 03.09.2021	13		
3		Unit -III Mass Spectrometry	04.09.2021 to 08.10.2021	12		
4		Unit -IV Fluorescence Spectroscopy	16.10.2021 to 30.10.2021	08		


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Structured Work Plan for Teaching

Academic Year 2021-22 (Term-I)

(September-2021 to December-2021)

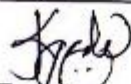
1. Details of Classes to be taught

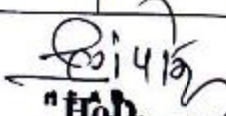
Sr. No.	Name of Assistant Professor	Subject	Class	Paper
1	Dr. Kundan Chandramani Tayade	Analytical Chemistry	B. Sc. I	General Concepts of Analytical Chemistry-I (U-ANC-150)
2		Chemistry	M.Sc. I	Physical Methods in Chemistry-IV (P-PMC-145)


2. Summary of Lesson Plan

Program: B.Sc. I (First Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit -I Introduction to Analytical Chemistry & Chemometrics	22.09.2021 to 27.10.2021	15	Home Assignments, Tutorials, Seminars, ICT	Unit Test-I Based on first 50% syllabus -Home Assignment Unit Test-II Based on remaining 50% syllabus - Activity Based
2		Unit -II Preliminary Operations in Quantitative Analysis	01.11.2021 to 23.11.2021	10		
3		Unit -III Introduction to Co-ordination Chemistry & Basics of Computer	24.11.2021 to 03.01.2022	15		
4		Unit -IV: Aspects of Coordination Compounds in Chemical Analysis	04.01.2022 to 12.01.2022	05		


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3. **Summary of Lesson Plan**
Program: M.Sc. I (First Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Chemistry	Unit –I Basic concepts of Analytical Chemistry & Chemometrics	28.09.2021 to 16.10.2021	15	Home Assignments, Tutorials, Seminars, ICT	Unit Test-I Based on first 50% syllabus –Home Assignment Unit Test-II Based on remaining 50% syllabus – Activity Based
2		Unit –II Errors, Statistical treatment of Analytical Data	18.10.2021 to 09.11.2021	15		
3		Unit -III Separation Techniques	10.11.2021 to 17.12.2021	20		
4		Unit -IV Forensic Analysis	18.12.2021 to 29.12.2021	10		


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Structured Work Plan for Teaching
Academic Year 2021-22 (Term-II)

1. Details of Classes to be taught

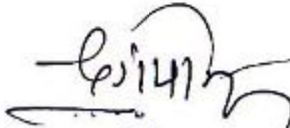
Sr. No.	Name of Assistant Professor	Subject	Class	Paper
1	Dr. Kundan Chandramani Tayade	Analytical Chemistry	B. Sc. II	Radiochemical, Thermal, Optical & Chromatographic Methods-VIII (U-ANC-456)
2		Analytical Chemistry	B. Sc. III	Electroanalytical Techniques and Chromatography-XI (U-ANC-671)

2. Summary of Lesson Plan

Program: B.Sc. II (Fourth Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit -I Radiochemical Methods	20.12.2021 to 05.01.2022	09	Home Assignments, Tutorials, Seminars, ICT, Quizes	Unit Test Based on first 50% syllabus
2		Unit -II Thermal Methods of Analysis	10.01.2022 to 02.02.2022	12		
3		Unit -III Optical Methods	07.02.2022 to 23.02.2022	08		
4		Unit -IV: Chromatographic Techniques	28.02.2022 to 06.04.2022	16		


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3. **Summary of Lesson Plan**
Program: B.Sc. III (Sixth Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit -I Electroanalytical Techniques-I (Conductometry, Potentiometry)	17.12.2021 to 10.01.2022	12	Home Assignments, Tutorials, Seminars, ICT, Quizes	Unit Test Based on first 75% syllabus
2		Unit -II Electroanalytical Techniques-II (Polarography & Amperometry)	11.01.2022 to 09.02.2022	13		
3		Unit -III Chromatographic Techniques-II (Ion Exchange)	14.02.2022 to 23.02.2022	05		
4		Unit -IV Chromatographic Techniques-III (Size Exclusion, SFC and Hyphenated Techniques)	28.02.2022 to 06.04.2022	15		


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 Structured Work Plan for Teaching
 Academic Year 2021-22 (Term-II)

I. Details of Classes to be taught

Sr. No.	Name of Assistant Professor	Subject	Class	Paper
1	Dr. Kundan Chanandramani Tayade	Chemistry	B. Sc. I	Errors, Statistical Treatment of Analytical Data and Separation Techniques-III (U-ANC-250)
2		Chemistry	M. Sc. I	Physical Methods in Chemistry (P-PMC-244)

2. Summary of Lesson Plan :

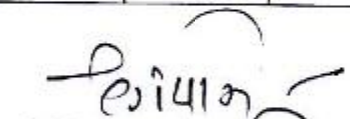
Program: B.Sc. I (Second Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Analytical Chemistry	Unit I Errors in Chemical Analysis	08.02.2022 To 01.03.2022	10	Home Assignments, Tutorials, ICT, etc	Unit Test Based on first 75% syllabus
2		Unit II Statistical Treatment of Analytical Data	02.03.2022 To 30.03.2022	13		
3		Unit III Separation Techniques: Introduction, Classification of Separation Techniques	04.04.2022 To 25.04.2022	10		
4		Unit IV Purification Methods Used in Organic Chemistry	26.04.2022 To 23.05.2022	12		

3. Program: M.Sc. I (Second Semester)

Sr. No.	Subject	Unit and Chapter to be Covered	Date	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Chemistry	Unit -I Electroanalytical Techniques	09.02.2022 To 04.03.2022	15	Home Assignments, Tutorials, Seminars, ICT	Two Unit Tests Based on first 50% syllabus each
2		Unit -II Spectroscopic Techniques	05.03.2022 To 31.03.2022	15		
3		Unit -III Thermal Methods	01.04.2022 To 28.04.2022	15		
4		Unit IV Diffraction Methods	29.04.2022 To 15.05.2022	15		


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