



Shiv Chhatrapati Shikshan Sanstha's  
**Rajarshi Shahu Mahavidyalaya, Latur**  
**(Autonomous)**

**Department of Biotechnology**  
**Structured Work Plan for Teaching**  
**Academic Year 2024-25 (Term-I)**

**1.Details of Classes to be taught**

Class	Name of Teacher	Subject	Course Title and Code	Lab Course and Code	Total Lectures
B.Sc. BT. I (I Sem.)	Mr.S.D.Kadam	Biotechnology	Introductory Microbiology 101BIO1102 (DSC-II)	Lab Course-II 101BIO1104	45 (3-Credits)

**2.Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No of Test/ Assignment with topic and date
1	<b>Unit 1:</b> History and Overview of Microbiology	11	03.07.2024 to 20.07.2024		Online MCQ Test
2	<b>Unit II:</b> Microbial Media and Sterilization Techniques	12	22.07.2024 to 14.08.2024	Group Discussion	Activity based Unit Test-I Home Assignment 05.08.2024
3	<b>Unit III:</b> Isolation and Identification Techniques	13	16.08.2024 to 13.09.2024		Surprise Test
4	<b>Unit IV:</b> Bacterial Growth	09	14.09.2024 to 15.10.2024	Guest Lecture	Unit Test II (MCQ) 23.09.2024

Date:25 June,2024

  
Course Teacher

  
Head  
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
(Autonomous) Latur-413 531

  
Principal  
Rajarshi Shahu Mahavidyalaya, Latur  
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**Academic Year 2024-25 (Term-I)**

**1.Details of Classes to be taught**


Class	Name of Teacher	Subject	Course Title and Code	Lab Course and Code	Total Lectures
M.Sc. BT. II (III Sem.)	Mr.S.D.Kadam	Biotechnology	Genetic Engineering 601BIO3101	Lab Course IX	45  (3-Credits)

**2.Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No of Test/ Assignment with topic and date
1	Unit 1: DNA isolation and Sequencing methods.	10	01.07.2024 to 24.07.2024		Online MCQ Test
2	Unit II: Tools of Genetic Engineering	13	25.07.2024 to 20.08.2024	Coaching for NET/SET Examination	Activity based Unit Test-I 05.08.2024
3	Unit III: Screening and Selection of Recombinants.	08	21.08.2024 to 16.09.2024	Academic Visit	Surprise Test
4	Unit IV: Expression of gene in higher organism	14	17.09.2024 to 14.10.2024		Unit Test II (MCQ) 23.09.2024

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Department of B.T.  
Teaching Plan

Timetable Duration : December 2024 to March 2025

Name of the Teacher : **Suraj Kadam**

#### Details of Classes to be taught


Class	Division	Course Title	Course Code	Total Teaching Hrs
B. SC. BT II	A	Molecular Biology	201BIO4101	45

#### Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit I: Introduction to Molecular Biology and DNA Replication	10	06/12/2024 To 27/12/2024	-	1
Unit II: From Gene to Protein	12	28/12/2024 To 24/01/2025	Group discussion	CAT-1
Unit III: Gene Expression and Regulation	13	25/01/2025 To 28/02/2025	-	-
Unit IV: Mutation, DNA repair, recombination	10	01/03/2025 To 29/03/2025	-	1

  
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Teaching Plan

Timetable Duration : December 2024 to March 2025

Name of the Teacher : **Suraj Kadam**

#### Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
Msc BT I	A	Biotechnology	Molecular Genetics	45

#### Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit I: Principles of Genetics	12	09/12/2024 To 09/01/2025	Group discussion	1
Unit II: DNA replication and Repair	8	10/01/2025 To 30/01/2025	-	CAT-1
Unit III: Transcription and Translation	15	01/02/2025 To 28/02/2025	Seminar	1
Unit IV: Gene Expression in Prokaryotes and Eukaryotes	10	01/03/2025 To 29/03/2025	-	CAT-2

  
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