

Rajarshi Shahu Mahavidyalaya, (Autonomous) Latur
Department of Microbiology
Teaching Plan 2024-25



Name of the Faculty: Ms. S. S. Patil
Subject: Microbiology
Class: M.Sc. I (Sem. I)
Course Title: Microbial Physiology

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Bacterial Chemolithotrophs and Phototrophs	12	16/07/2024 to 07/08/2024	Seminars	Class test
II	Bacterial Respiration	12	12/08/2024 to 10/09/2024	Poster presentation	Assignment
III	Bacterial Permeation	12	11/09/2024 to 01/10/2024	Model Exhibition	Assignment
IV	Microbial Stress Responses	09	07/10/2024 to 23/10/2024	Quiz	Class test

Subject Teacher

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Department of Microbiology

Teaching Plan 2024-25



Name of the Faculty: Ms. S. S. Patil

Subject: Microbiology

Class: M.Sc. II (Sem. III)

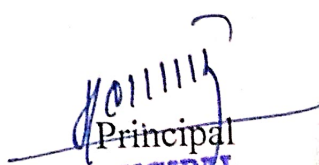
Course Title: Advanced Molecular Biology

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Enzymes of r DNA Technology	12	11/07/2024 to 03/08/2024	Quiz	Class test
II	Cloning and Screening methodologies	11	08/08/2024 to 31/08/2024	Model Exhibition	Assignment
III	Nucleic acid amplification, Sequencing and Hybridization Techniques	12	05/09/2024 to 03/10/2024	Poster presentation	Assignment
IV	Applications of rDNA technology and Legal issues	09	04/10/2024 to 24/10/2024	Hands-on Training	Class test


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Name of the Faculty: Ms. Sonali S. Patil
Subject: Microbiology
Class: B.Sc. I (DSC)
Course Title: Basics of Microbiology and Biomolecules

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Ultra structure of bacterial cell	12	9/12/24 to 8/1/25	Seminar	Class test
II	The viruses: distribution and structure	12	13/1/25 to 5/2/25	Poster presentation	Assignment
III	Biomolecules	11	10/2/25 to 5/3/25	Quiz	Assignment
IV	Functional and informational biomolecules	10	10/3/25 to 26/3/25	Quiz	Class test

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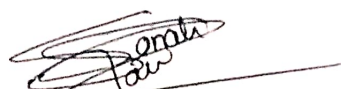
Name of the Faculty: Ms. Sonali S. Patil

Subject: Microbiology

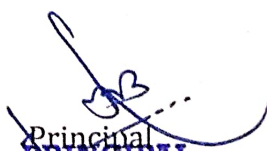
Class: B.Sc. III (Sem. VI)

Course Title: Microbial Genetics

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Mutation	10	5/12/24 to 26/12/24	Seminars	Class test
II	Repair of DNA Damage	10	27/12/24 to 18/1/25	Poster presentation	Assignment
III	Recombination and Transposable Elements	11	23/1/25 to 22/2/25	Model Exhibition	Assignment
IV	Gene transfer in Bacteria	14	27/2/25 to 27/3/25	Quiz	Class test


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Name of the Faculty: Ms. Sonali S. Patil
Subject: Microbiology
Class: M.Sc. I (Sem. II)
Course Title: Microbial Genetics

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Bacterial DNA Replication, Damage and Repair	12	5/12/24 to 28/12/24	Seminars	Class test
II	Bacterial Transcription and Translation Process	12	2/1/25 to 25/1/25	Poster presentation	Assignment
III	Regulation of Gene Expression in Bacteria	12	30/1/25 to 27/2/25	Model Exhibition	Assignment
IV	Genetic Recombination and Mapping in Bacteria	09	28/2/25 to 27/3/25	Quiz	Class test

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Name of the Faculty: Ms. Sonali S. Patil

Subject: Microbiology

Class: M.Sc. II (Sem. IV)

Course Title: Bioinformatics Proteomics & Genomics

Unit	Chapter to be covered	No. of Lectures	Date	Academic activities to be organized	Test/ Assignment
I	Basics of Bioinformatics	12	9/12/24 to 8/1/25	Quiz	Class test
II	Biological databases and Multiple sequence alignment	12	13/1/25 to 5/2/25	Model Exhibition	Assignment
III	Microbial Genomics	12	10/2/25 to 5/3/25	Poster presentation	Assignment
IV	Microbial Proteomics	09	10/3/25 to 26/3/25	Hands-on Training	Class test



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