



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

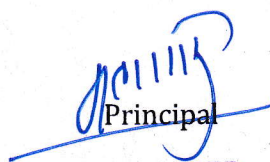
| Class | Name of Teacher | Subject | Course Title and Code | Lab Course and Code | Total Lectures |
|-------------------------|--------------------|---------------|----------------------------|----------------------------|-------------------|
| B.Sc. BT. I (I Sem.) | Ms. Swati G. Swami | Biotechnology | Cell Biology 101BIO1101 | Lab Course I 101BIO1103 | 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 I: Introduction to Cell biology | 07 | 03.07.2024 to 22.07.2024 | Group Discussion | CAT-1 |
| 2 | Unit II: Cell organelles and Cytoskeleton | 13 | 23.07.2024 to 16.08.2024 | Quiz | Unit Test II |
| 3 | Unit III: Membrane Transport | 15 | 17.08.2024 to 04.19.2024 | Guest Lecture | Surprise Test |
| 4 | Unit IV: Cell cycle and Cell-cell communication | 10 | 03.10.2024 to 24.10.2024 | workshop | CAT -2 |


Course Teacher


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1.Details of Classes to be taught

| Class | Name of Teacher | Subject | Course Title and Code | Total Lectures |
|----------------------------|--------------------|---------------|---|-----------------------|
| M.Sc. BT. II (III Sem.) | Ms. Swati G. Swami | Biotechnology | Advance Pharmaceutical Biotechnology | 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 I: Chemotherapeutic Agents and Antibiotics | 08 | 09.07.2024 to 23.07.2024 | Group Discussion | CAT-1 |
| 2 | Unit II: Antibacterial, Antifungal and Antiviral Drugs | 12 | 24.07.2024 to 16.08.2024 | Guest Lecture | Unit Test II |
| 3 | Unit III: Drug Discovery, Development and Targeting | 14 | 17.08.2024 to 14.09.2024 | workshop | Surprise Test |
| 4 | Unit IV: Clinical Trials, Regulatory Guidelines and Pharmacopoeia. | 11 | 16.09.2024 to 24.10.2024 | Quiz | CAT -2 |


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1.Details of Classes to be taught

| Class | Name of Teacher | Subject | Course Title and Code | Total Lectures |
|-------------------------|--------------------|---------------|------------------------------|-------------------|
| M.Sc. BT. I (I Sem.) | Ms. Swati G. Swami | Biotechnology | Bioinformatics 601BIO1201 | 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 I: Fundamentals of Bioinformatics | 12 | 18.07.2024 to 05.08.2024 | Group Discussion | CAT-1 |
| 2 | Unit II: Sequence Alignment | 13 | 06.08.2024 to 23.08.2024 | Guest Lecture | Unit Test II |
| 3 | Unit III: Protein Structure, Function, Prediction and Analysis | 11 | 24.08.2024 to 09.09.2024 | workshop | Surprise Test |
| 4 | Unit IV: Omics Technologies | 09 | 10.09.2024 to 24.10.2024 | Quiz | CAT -2 |


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