



Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

Department of Physics and Electronics

Structured Work Plan for Teaching

Academic Year: 2025-26

Name of the Teacher: **Dr. Dayanand V. Raje**

Details of Classes to be taught:

Class	Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
B. Sc. I	I	Mechanics and Properties of Matter-I	DSC	101PHY1101	03	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: Gravitation	11	07/07/2025 To 28/07/2025	Problems to solve	CAT I
Unit II: Elasticity	12	29/07/2025 To 29/08/2025	Formation of Physics Students Association: 2025-26	CAT II
Unit III: Surface Tension	11	02/09/2025 To 19/09/2025	Inauguration of Physics students Association	CAT III
Unit IV: Viscosity	11	22/09/2025 To 10/10/2025	Lecture on research of Nobel Laureates	SEE


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Class	Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
B.Sc. II	III	Mathematical Physics and Transducers-VI	DSC	201PHY3102	03	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: Vector Analysis	12	23/06/2025 To 22/07/2025	Problems/ Examples to solve	CAT I
Unit II: Complex variables	10	23/07/2025 To 20/08/2025	Formation of Physics Students Association	CAT II
Unit III: Fourier Series and Laplace transform	12	21/08/2025 To 22/09/2025	Inauguration of Physics Students Association	CAT III
Unit IV: Transducers	11	23/09/2025 To 08/10/2025	ICT based teaching/Lecture on Research Nobel Laureates	SEE


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M.Sc.II Physics	III	Nuclear and Particle Physics VIII	Major	601PHY3102	03	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: The Constitution of Atomic nucleus and Nuclear Reactions	12	25/06/2025 To 24/07/2025	Carrier guidance	CAT I
Unit II: Nuclear Models	11	28/07/2025 To 25/08/2025	Formation of Physics Students Association	CAT II
Unit III: Detection of Nuclear Radiation and Charged Particle Accelerators	11	28/08/2025 To 18/09/2025	Inauguration of Physics Students association/Posters presentation	CAT III
Unit IV: Elementary Particles	11	22/09/2025 To 09/10/2025	Lecture on Research Nobel Laureates	SEE


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Class	Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
B.Sc.I	I	Physics Workshop Skills	SEC	101PHY1601	02	30

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: Measuring Units and Mechanical Skills	7	11/07/2025 To 08/08/2025	Carrier Guidance	CAT I
Unit II: Multimeters and its applications	8	23/08/2025 To 12/09/2025	Handling of Measuring Instruments	CAT II & CAT III
Practical	15	29/09/2025 To 10/10/2025	To perform the Experiments for Skills	SEE


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Class	Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
BA II	III	Physics of daily Life	GE/OE	201PHY3401	02	30

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: Physics in Earth's atmosphere	8	11/07/2025 To 01/08/2025	Motivation to Study Physics for Daily Life	CAT I
Unit II: Physics in Human body	7	02/08/2025 To 23/08/2025	Knowledge of Rainbow / Rayleigh Scattering	CAT II
Unit III: Physics in Sports	7	29/08/2025 To 19/09/2025	---	CAT III
Unit IV: Physics in Technology	8	20/09/2025 To 10/10/2025	Handling of Telescope, Microscope etc.	SEE


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