

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-III)

(July 2023 to October 2023)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	M.Sc. II Sem. III	Shri. Suraj M. Gund	Physics	P-TFN-324A Thin Film and Nano Technology	60 Hrs. (4-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: Thin Film Deposition Techniques	15	17/07/23 to 03/08/23	Carrier Guidance	--
2	Unit II: Nucleation, Film Growth & Structure of films	15	07/08/23 to 30/08/23	--	--
3	Unit III: Properties of thin films	15	31/08/23 to 23/09/23	NET-SET Questions	Unit Test-I Activity Based Test
4	Unit IV: Nanotechnology	15	25/09/23 to 14/10/23	--	Unit Test-II MCQ

Shri. Suraj M. Gund

Date: 18.07.2023

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1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. II Sem. III	Shri. Suraj M. Gund	Electronics	U-ELE-347 Oscillators, Multivibrators & Sweep Circuits- V	45 Hrs. (2-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: L-C Oscillators	11	17/07/23 to 10/08/23	--	--
2	Unit II: R-C Oscillators	11	11/08/23 to 02/09/23	--	--
3	Unit III : Multivibrators	15	07/09/23 to 30/09/23	IIT JAM Questions	Unit Test-I Activity Based Test
4.	Unit IV : Sweep Circuits	8	05/10/23 to 14/10/23	--	Unit Test-II MCQ

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Teaching Plan (Semester-I)

(July 2023 to November 2023)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. I (NEP)	Shri. Suraj M. Gund	Physics	101PHY1102 Heat & Thermodynamics DSC - II	45 - Hours (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: Transport Phenomena in Gases	11	25/07/23 to 17/08/23	IIT-JAM Guidance	--
2	Unit II: Behavior of Real Gases	11	18/08/23 to 09/09/23	--	--
3	Unit III: Thermodynamics	12	14/09/23 to 12/10/23	Poster Presentation	Unit Test-I Activity Based Test
4	Unit IV: Thermodynamical Relations	11	13/10/23 to 04/11/23	--	Unit Test-II MCQ

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1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. I (NEP)	Shri. Suraj M. Gund	Physics	101PHY1501 Domestic Electrical Wiring (VSC I)	30 - Hours (2-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: Study & Use of Wiring Accessories	06	26/07/23 to 09/08/23	Awareness About Wiring Accessories	--
2	Unit II: Testing of Electrical Installations	05	23/08/23 to 06/09/23	--	--
3	Unit III: To Make Domestic Wiring	05	06/09/23 to 20/09/23	--	Unit Test-I Activity Based Test
4	Unit IV: Applications of Different Types of Switch Connections	06	27/09/23 to 11/10/23	--	Unit Test-II MCQ
5	Unit V : Practical	08	18/10/23 to 04/11/23	--	--

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1. Details of Classes to be taught


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. I (NEP)	Shri. Suraj M. Gund	Physics	U-PHY-GE -I Energy Sources I	45 - Hours (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: Renewable Energy Sources	12	24/07/23 to 10/08/23	--	--
2	Unit II: Conventional Energy Sources	11	14/08/23 to 04/09/23	Awareness About Renewable Energy sources	--
3	Unit III: Solar Energy	11	05/09/23 to 25/09/23	Solar Power Plant Visit	Unit Test-I Activity Based Test
4	Unit IV: Wind Energy	11	26/09/23 to 17/10/23	--	Unit Test-II MCQ


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Teaching Plan (Semester-IV)

(December 2023 to March 2024)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	M.Sc. II Sem. IV	Shri. Suraj M. Gund	Physics	P-FOA-419 Fibre Optics and its Applications	60 Hrs. (4-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: Ray Theory of Transmission	15	06/12/23 to 29/12/23	--	--
2	Unit II: Fibre Fabrication Techniques and Fibre Losses	15	30/12/23 to 25/01/24	--	Unit Test-I Activity Based Test
3	Unit III: Communication Systems and Modulation	15	27/01/24 to 23/02/24	NET-SET Questions	--
4	Unit IV: Optic Fibre Communication and Measurements on Optical Fibres	15	24/02/24 to 23/03/24	--	Unit Test-II MCQ

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Teaching Plan (Semester-II)

(December 2023 to March 2024)

1. Details of Classes to be taught


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	M.Sc. I Sem. II	Shri. Suraj M. Gund	Physics	601PHY2103 Thermodynamics and Statistical Mechanics	45 Hrs. (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: Statistical Mechanics and Thermodynamics	11	12/12/23 to 03/01/24	--	--
2	Unit II: Statistical Ensemble Theory	11	04/01/24 to 31/01/24	--	CAT I
3	Unit III: Formulation of Quantum Statistics	12	01/02/24 to 28/02/24	NET-SET Questions	--
4	Unit IV: Phase Transitions and Critical Phenomenon	11	29/02/24 to 27/03/24	--	CAT II


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Teaching Plan (Semester-II)

(December 2023 to March 2024)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. II	Shri. Suraj M. Gund	Physics	101PHY2101 Electricity and Magnetism DSC - III	45 - Hours (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: Electrostatics	11	07/12/23 to 30/12/23	IIT-JAM Guidance	--
2	Unit II: Electromagnetic Induction	11	04/01/24 to 01/02/24	--	CAT I
3	Unit III: Ballistic Galvanometer	12	02/02/24 to 29/02/24	Numerical Problems	--
4	Unit IV: Magnetostatics	11	01/03/24 to 28/03/24	--	CAT II

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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-II)

(July 2023 to October 2023)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. II (NEP)	Shri. Suraj M. Gund	Physics	U-PHY-GE -II Energy Sources II	60 - Hours (4-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: Renewable Energy Sources	16	11/12/23 to 04/01/24	Energy Week Celebration	--
2	Unit II: Conventional Energy Sources	15	08/01/24 to 05/02/24	Awareness About Renewable Energy sources	CAT I
3	Unit III: Solar Energy	14	06/02/24 to 29/02/24	--	--
4	Unit IV: Wind Energy	15	04/03/24 to 28/03/24	--	CAT II

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