

Department of Physics

1.3.1. List and description of the courses which address the Gender, Environment and Sustainability, Human Values, Professional Ethics and Indian Knowledge System into the Curriculum

| S.no | Course Code | Name of the Course | EVS | PE | IKS | Outcome |
|------------------|-------------|---|-------------------------------------|----|-------------------------------------|---|
| 2023-2024 | | | | | | |
| 1 | PU231NM1 | Non-Major Elective NME-I: Physics for Everyday Life | <input checked="" type="checkbox"/> | | | To understand the significance of Solar energy. |
| 2 | PU231EC1 | Elective Course I: Allied Physics for Mathematics – I | <input checked="" type="checkbox"/> | | | To know about the solar cells. |
| 3 | PC2032 | Major – Elective - I | <input checked="" type="checkbox"/> | | | To understand the present energy crisis and various available energy sources. |
| 4 | PC2032 | Major – Elective - I Non Conventional Energy Sources | <input checked="" type="checkbox"/> | | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 5 | PC2066 | Major – Elective – III Astrophysics | | | <input checked="" type="checkbox"/> | To understand and realize the historical evolution of Universe and principles involved in Astrophysics. |
| 6 | PC2065 | Major – Elective – III-Nanophysics | <input checked="" type="checkbox"/> | | | To understand the advancements and applications of nanostructures. |
| 7 | PP232SE1 | Skill Enhancement Course I - NME I Solar Energy Utilization | <input checked="" type="checkbox"/> | | | To learn about various renewable energy sources. |
| 8 | PP231EC1 | Elective Course I: Energy Physics | <input checked="" type="checkbox"/> | | | To learn about various renewable energy sources. |
| 9 | PP2033 | Elective III – Biophysics | <input checked="" type="checkbox"/> | | | To know about centrifugation. |
| 10 | PP232SE1 | Skill Enhancement Course I - NME I Solar Energy Utilization | <input checked="" type="checkbox"/> | | | To gain knowledge on the fundamental aspects of solar energy utilization. |
| 11 | PP2041 | Core IX – Nuclear and Elementary Particle Physics | <input checked="" type="checkbox"/> | | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 2022-2023 | | | | | | |
| 12 | PC2032 | Major – Elective - I Non Conventional Energy Sources | <input checked="" type="checkbox"/> | | | To understand the present energy crisis and various available energy sources. |
| 13 | PC2063 | Major Core X - Nuclear Physics | <input checked="" type="checkbox"/> | | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 14 | PC2065 | Major – Elective – III Nanophysics | <input checked="" type="checkbox"/> | | | To understand the advancements and applications of nanostructures. |
| 15 | PC2066 | Major – Elective – III Astrophysics | | | <input checked="" type="checkbox"/> | To understand and realize the historical evolution of Universe and principles involved in Astrophysics. |
| 16 | PP2025 | Elective II – Introductory Astronomy, Astrophysics & Cosmology | | | <input checked="" type="checkbox"/> | To understand and realize the historical evolution of Universe and principles involved in Astrophysics. |
| 17 | PP2033 | Elective III – Biophysics | <input checked="" type="checkbox"/> | | | To know about Centrifugation. |
| 18 | PP2035 | Elective III – Solar Energy Utilization | <input checked="" type="checkbox"/> | | | To gain knowledge on the fundamental aspects of solar energy |
| 19 | PP2041 | Core IX – Nuclear and Elementary Particle Physics | <input checked="" type="checkbox"/> | | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 2021-2022 | | | | | | |
| 20 | PC2032 | Major – Elective - I Non Conventional Energy Sources | <input checked="" type="checkbox"/> | | | To understand the present energy crisis and various available energy sources. |
| 21 | PC2063 | Major Core X - Nuclear Physics | <input checked="" type="checkbox"/> | | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 22 | PP2033 | Elective III – Biophysics | <input checked="" type="checkbox"/> | | | To know about Centrifugation. |
| 23 | PP2035 | Elective III – Solar Energy Utilization | <input checked="" type="checkbox"/> | | | To gain knowledge on the fundamental aspects of solar energy utilization. |
| 24 | PP2041 | Core IX – Nuclear and Elementary Particle Physics | <input checked="" type="checkbox"/> | | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 2020-2021 | | | | | | |

| | | | | | |
|------------------|--------|---|-------------------------------------|-------------------------------------|---|
| 25 | PC1732 | Major – Elective - I Non conventional Energy sources | <input checked="" type="checkbox"/> | | To understand the present energy crisis and various available energy sources. |
| 26 | PC1763 | Major Core X - Nuclear Physics | <input checked="" type="checkbox"/> | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 27 | PP1742 | Core X - Nuclear and Particle Physics | <input checked="" type="checkbox"/> | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 28 | MPP181 | Core I :Professional Skills for Teaching – | | <input checked="" type="checkbox"/> | To aquire teaching skills and gain confidence in teaching. |
| 2019-2020 | | | | | |
| 29 | PC1732 | Major – Elective - I Non conventional Energy sources | <input checked="" type="checkbox"/> | | To understand the present energy crisis and various available energy sources. |
| 30 | PC1763 | Major Core X - Nuclear Physics | <input checked="" type="checkbox"/> | | To know about different modes of decay and interaction of nuclear radiations with matter. |
| 31 | PP1742 | Core X - Nuclear and Particle Physics | <input checked="" type="checkbox"/> | | To know about different modes of decay and interaction of nuclear radiations with matter. |