

Three years Physics (Honours) Course outcome

Upon completion of the B. Sc. Honours Physics Course students will have following opportunities and skills.

PSO1. This course will develop in students various interests in the understanding of fundamental laws of physics, principles and theories along with their applications.

PSO2. Honours in Physics require a high level of competence in Mathematics, so students develop skills in analysing complex physical problems by using mathematical tools to solve them.

PSO3. Students acquire efficiency in the use of computers for data acquisition and data analysis in experimental investigations.

PSO4. This course also creates an interest in higher studies and research in various branches of Physics.

PSO5. A student studying Physics will also develop logical and analytical thinking abilities.

PSO6. Students have hands-on experience with some of the experimental aspects of modern (twentieth century and beyond) physics, electrical, classical mechanics and optics and, in the process, it helps to deepen their understanding of the relationship between experiment and theory. Students are able to see the relationship between experiments and equations and see how they apply to the real world.

PSO7. Students perform simple but interesting experiments in the laboratory to verify various concepts of physics that they have learnt in the classroom lectures. Some important topics taught in Syllabus but could be perceived by the students better in the laboratory.

PSO8. Students have career opportunities in various academic institutions like schools, colleges or research institutes.

Three Year Undergraduate Course in Physics General Outcome

PSO1. Physics generates fundamental knowledge needed in today's technological environment.

PSO2. It provides trained personnel required to take advantage of scientific advances.

PSO3. Students achieve computational ability.

PSO4. Apart from these, a student has a bright future in Indian Administrative Services, Banking Services and various State and Central Government Services where Physics can be chosen as one major subject and in all these fields competence in Physics is required. Learning about the histories of geographic areas other than their own would make them better world citizens, with a better understanding of other cultures.

Going through a rationally planned course of history would also enable them to distinguish between myth and history.

These being the grand and general outcome, we must not lose sight of the fact that at a more specific and concrete level the course would also prepare them for academic profession as well as administrative jobs that require some thorough knowledge of the culture and tradition of the Land.