

Phys.650 - Topics in Current Research

Course Description and Goals, Fall 2024

Prof. Itzhak Bars

This course is designed to introduce physics graduate students to the wide array of research activities within the Physics Department immediately upon their admission. It provides early exposure to the diverse interests and expertise of our faculty, aiming to deepen students' understanding of various branches of physics.

The course seeks to cultivate intellectual curiosity and facilitate meaningful interactions between students and faculty. By expanding students' perspectives beyond their immediate faculty advisors and specific research projects, the initiative encourages broader engagement with faculty members in different areas of physics.

All faculty members are invited to participate by showcasing their research or detailing current projects. For prospective PhD candidates, this course offers valuable insights into potential advisors' research activities, highlighting the strengths and opportunities within their respective programs.

Furthermore, students will have the chance to explore innovative ideas across various modern physics fields, including those not directly related to their immediate PhD projects. This exposure fosters interaction with a broad spectrum of physicists, which can significantly impact the students' careers by broadening their intellectual horizons and enriching their academic journey.