

PHYS 370: Space, Time & the Texture of Reality

This heavily mathematical course with no lab requirement examines the changing conceptions of space and time from classical to modern to contemporary physics. Moving from Newtonian reality to Einstein's relativity to quantum mechanics to current unification theories, we will explore mathematics as a tool to transcend our faulty perceptions and to reveal new phenomenal, though perhaps not narrative, truth.

Units: 3

Prerequisites:

Previous and solid experience in physics and calculus plus instructor consent.

Program: [PhysicsPhysical Science](#)