

# PHY 6400: General Relativity

Introduction to Einstein's Theory of General Relativity. Differential geometry, equivalence principle, geodesics, and the Einstein equations. Applications to black holes, gravitational waves, and cosmology.

**Credits:** 3.0

**Prerequisites:**

PHY 4100

PHY 4200

(PHY 4100 :D- and PHY 4200 :D-)

**Program:** [Physics](#)