

# PHY510: Classroom Demonstration of Chemistry and Physics Principles

This course is designed for elementary, middle, and secondary teachers who want to learn new practical methods for doing science in the classroom. Topics will include the scientific method, states of matter, chemical and physical changes, combustion reactions, solubility, acids and bases, polymers, household chemicals, density, pressure, waves, light and lasers, and refraction. Candidates will observe demonstrations and discuss the chemical and physical principles behind them, perform demonstrations, and design new demonstrations.

**Credit Hour(s):** 3

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