

# AST 3142: Intro to Astrophysics

Theories of stellar atmospheres, line-broadening and formation, radiative transfer, theoretical spectra, and the theory of stellar interiors are covered. Fundamental stellar timescales, thermonuclear reactions, evolutionary models, stellar pulsations, novae and supernovae.

**Credits:** 3.0

**Prerequisites:**

AST 2120

AST 2122

PHY 2410

AST 2120 :D- or AST 2122 :D- and PHY 2410 :D-

**Program:** [Astrophysics and Planetary Science](#)