

PHYS4395 - Cosmology

[PHYS 4395](#) Cosmology (3 semester credit hours) The course is a simplified overview of contemporary cosmology including: cosmological principle; scale of distance and expansion law of the universe; redshift; Friedmann equations and cosmological models of the universe; cosmological probes and techniques; baryonic matter; dark matter; dark energy and cosmic acceleration. Prerequisite: ([PHYS 3311](#) or [PHYS 3411](#)) or ([ENGR 3300](#) or [MATH 2420](#)). (3-0) T