

PHY393 Introduction to Astrophysics Course Schedule

The course will cover the following topics. The test dates are set in stone while the course content may shift around them.

Day	Date	Topic
Tuesday	8/24	Introduction
Friday	8/27	Electromagnetic Spectrum and Radiation
Tuesday	8/31	Electromagnetic Spectrum and Radiation
Friday	9/3	Spectra
Tuesday	9/7	<i>Rosh Hashanah - no class</i>
Friday	9/10	<i>Rosh Hashanah - no class</i>
Tuesday	9/14	Survey of Stars - distance, brightness
Friday	9/17	Survey of Stars - masses, sizes
Tuesday	9/21	Survey of Stars - H-R Diagram
Friday	9/24	Test 1
Tuesday	9/28	Stellar Evolution - Star formation
Friday	10/1	Stellar Evolution - Main sequence, giant, variable, stars
Tuesday	10/5	Stellar Deaths - white dwarfs, planetary nebulae
Friday	10/8	Stellar Deaths - neutron stars, black holes
Tuesday	10/12	<i>Fall Break - no class</i>
Friday	10/15	Black holes
Tuesday	10/19	Star Clusters
Friday	10/22	Test 2
Tuesday	10/26	The Milky Way - overview, interstellar medium
Friday	10/29	The Milky Way - interstellar medium
Tuesday	11/2	Galaxies - types of galaxies
Friday	11/5	Galaxies - galaxy clusters
Tuesday	11/9	Galaxies - Active Galactic Nuclei
Friday	11/12	Test 3
Tuesday	11/16	Dark Matter
Friday	11/19	Cosmology - overview
Tuesday	11/23	Cosmology - big bang, early universe
Friday	11/26	<i>Thanksgiving - no class</i>
Tuesday	11/30	Cosmology - fate of the universe
Friday	12/3	Test 4
Tuesday	12/7	Astrobiology and Life
Friday	12/10	Review
Friday	12/17	Final Exam 12:30 -2:30 PM