

Astro 105 Schedule (*subject to change: weather, etc.*)

Daytime: 10:30 to 11:45 on Tuesdays and Thursdays in LE 101

IUI Physics Department

Spring 2024

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Exam and Quiz dates are subject to change

<i>Week of</i>	<i>Topic</i>
Mon Jan 8	Introduction, Scientific Notation The Sun Temperature Scales
Mon Jan 15	Quiz 1, Structure of Matter Nuclear Fusion Stellar Dynamics, Neutrinos
Mon Jan 22	Quiz 2, Physics of Light Spectra Doppler Effect
Mon Jan 29	Quiz 3, Intro to Stars Stellar Spectra Stellar Mass and Binary Systems
Mon Feb 5	Quiz 4, Absolute Magnitude Mass-Luminosity Relation H-R Diagrams
Mon Feb 12	EXAM 1 , Tue (Feb 13), covers all material (bring pencil) Stellar Evolution, Main-Sequence Cepheids, Giants
Mon Feb 19	Quiz 5, Death of Stars White Dwarfs, Neutron Stars Supernovae

<i>Week of</i>	<i>Topic</i>
Mon Feb 26	Quiz 6, Black Holes, Worm Holes General Relativity / Time Travel
Mon Mar 4	Milky Way Galaxy Galactic Dynamics
Mon Mar 18	Other Galaxies Clusters, Superclusters, Dark Matter Hubble's Law, The Hubble Constant
Mon Mar 25	EXAM 2 , Tue (Mar 26), covers all material following Exam 1 Quasars, Active Galaxies Supermassive Black Holes, Bursters
Mon Apr 1	Cosmology Big Bang Theory, Inflation
Mon Apr 8	High-Energy Physics Reductionism, HyperSpace String Theory, Fundamental Constants of the Universe
Mon Apr 15	Fate of the Universe Dark Energy
Mon Apr 22	Life in the Universe Looking for E.T's The Drake Equation
Mon Apr 29	FINAL EXAM , Thursday (May 2) 10:30 AM to 11:45 PM Semi-Comprehensive -- see Study Guide (bring pencil)