

## **Astro 105 Schedule** (*dates subject to change*)

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

**IUPUI Physics Department**

**Spring 2019**

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Exam and Quiz dates are subject to change

<i>Week of</i>	<i>Topic</i>
Mon Jan 7	Introduction, Scientific Notation The Sun Temperature Scales
Mon Jan 14	Quiz 1, Structure of Matter Nuclear Fusion Stellar Dynamics, Neutrinos
Mon Jan 21	Quiz 2, Physics of Light Spectra Doppler Effect
Mon Jan 28	Quiz 3, Intro to Stars Stellar Spectra Stellar Mass and Binary Systems
Mon Feb 4	Quiz 4, Absolute Magnitude Mass-Luminosity Relation H-R Diagrams
Mon Feb 11	<b>EXAM 1</b> , Tue (Feb 12), covers all material (bring pencil) Stellar Evolution, Main-Sequence Cepheids, Giants
Mon Feb 18	Quiz 5, Death of Stars White Dwarfs, Neutron Stars Supernovae

<i>Week of</i>	<i>Topic</i>
Mon Feb 25	Quiz 6, Black Holes, Worm Holes General Relativity / Time Travel
Mon Mar 4	Quiz 7, Milky Way Galaxy Galactic Dynamics
Mon Mar 18	Quiz 8, Other Galaxies Clusters, Superclusters, Dark Matter Hubble's Law, The Hubble Constant
Mon Mar 25	<b>EXAM 2</b> , Tue (Mar 26), covers all material following Exam 1 Quasars, Active Galaxies Supermassive Black Holes, Bursters
Mon Apr 1	Quiz 9, Cosmology Big Bang Theory, Inflation
Mon Apr 8	Quiz 10, High-Energy Physics Reductionism, HyperSpace String Theory, Fundamental Constants of the Universe
Mon Apr 15	Quiz 11, Fate of the Universe Dark Energy
Mon Apr 22	Quiz 12, Life in the Universe Looking for E.T's The Drake Equation
Mon Apr 29	<b>FINAL EXAM</b> , Thursday (May 2) 10:30 AM to 11:45 PM Comprehensive -- covers all material (bring pencil)