

Astro 105 Master Schedule (*exam dates subject to change*)

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

IUPUI Physics Department

Spring 2017

Instructor Brian Woodahl
E-Mail bwoodahl@iupui.edu
Office LD 156-S
Telephone 278-9244

<i>Week of</i>	<i>Topic</i>
Mon Jan 9	Introduction, Internet, Scientific Notation The Sun Temperature Scales
Mon Jan 16	Quiz 1, Structure of Matter Nuclear Fusion Stellar Dynamics, Neutrinos
Mon Jan 23	Quiz 2, Physics of Light Spectra Doppler Effect
Mon Jan 30	Quiz 3, Intro to Stars Stellar Spectra Stellar Mass and Binary Systems
Mon Feb 6	Quiz 4, Absolute Magnitude Mass-Luminosity Relation H-R Diagrams
Mon Feb 13	EXAM 1 , Tue (Feb 14), covers all material (bring pencil) Stellar Evolution, Main-Sequence Cepheids, Giants
Mon Feb 20	Quiz 5, Death of Stars White Dwarfs, Neutron Stars Supernovae

<i>Week of</i>	<i>Topic</i>
Mon Feb 27	Quiz 6, Black Holes, Worm Holes General Relativity / Time Travel TBD: Guest Lecture on Thursday
Mon Mar 6	Quiz 7, Milky Way Galaxy Galactic Dynamics
Mon Mar 20	Quiz 8, Other Galaxies Clusters, Superclusters, Dark Matter Hubble's Law, The Hubble Constant
Mon Mar 27	EXAM 2 , Tue (Mar 28), covers all material following Exam 1 Quasars, Active Galaxies Supermassive Black Holes, Bursters
Mon Apr 3	Quiz 9, Cosmology Big Bang Theory, Inflation
Mon Apr 10	Quiz 10, High-Energy Physics Reductionism, HyperSpace String Theory, Fundamental Constants of the Universe
Mon Apr 17	Quiz 11, Fate of the Universe Dark Energy
Mon Apr 24	Quiz 12, Life in the Universe Looking for E.T's The Drake Equation
Mon May 1	FINAL EXAM , Thursday (May 4) 10:30 AM to 12:30 PM Comprehensive -- covers all material (bring pencil)