

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

Daytime: Monday and Wednesday, Noon to 1:15 PM
IUPUI Physics Department

Fall 2023

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Exam and Quiz dates are subject to change

<i>Week of</i>	<i>Topics</i>
Mon Aug 21	Introduction, Scientific Notation The Sun Temperature Scales
Mon Aug 28	Quiz 1, Structure of Matter Nuclear Fusion Stellar Dynamics, Neutrinos
Mon Sep 4	(Wed Only) Quiz 2, Physics of Light Spectra Doppler Effect
Mon Sep 11	Quiz 3, Intro to Stars Stellar Spectra Stellar Mass and Binary Systems
Mon Sep 18	Quiz 4, Absolute Magnitude Mass-Luminosity Relation H-R Diagrams
Mon Sep 25	EXAM 1 (likely Mon Sep 25), covers all material (bring pencil) Stellar Evolution, Main-Sequence Cepheids, Giants
Mon Oct 2	Quiz 5, Death of Stars White Dwarfs, Neutron Stars Supernovae

<i>Week of</i>	<i>Topics</i>
Mon Oct 9	Quiz 6, Black Holes, Worm Holes General Relativity / Time Travel
Mon Oct 16	(Wed only) Milky Way Galaxy Galactic Dynamics
Mon Oct 23	Other Galaxies, Types of Galaxies Clusters, Superclusters, Dark Matter Hubble's Law, The Hubble Constant
Mon Oct 30	EXAM 2 (likely Mon Oct 30), covers all material after Exam 1 Quasars, Active Galaxies Supermassive Black Holes, Bursters
Mon Nov 6	Cosmology Big Bang Theory, Inflation
Mon Nov 13	High-Energy Physics Reductionism, HyperSpace String Theory, Fundamental Constants of the Universe
Mon Nov 27	Fate of the Universe Dark Energy
Mon Dec 4	Life in the Universe Looking for E.T's The Drake Equation
Mon Dec 11	FINAL EXAM , Mon, Dec 11, Noon to 1:15 PM Comprehensive -- covers all material (bring pencil)