

Astro 2640N Schedule (*dates subject to change*)

Daytime: Monday and Wednesday, Noon to 1:15 PM
Purdue Indianapolis

Fall 2024

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(Exam and Quiz dates are subject to change)

<i>Week of</i>	<i>Topics</i>
Mon Aug 19	Introduction, Scientific Notation The Sun Temperature Scales
Mon Aug 26	Quiz 1, Structure of Matter Nuclear Fusion Stellar Dynamics, Neutrinos
Mon Sep 2	(Wed Only) Quiz 2, Physics of Light Spectra Doppler Effect
Mon Sep 9	Quiz 3, Intro to Stars Stellar Spectra Stellar Mass and Binary Systems
Mon Sep 16	Quiz 4, Absolute Magnitude Mass-Luminosity Relation H-R Diagrams
Mon Sep 23	EXAM 1 (likely Mon Sep 23), covers all material (bring pencil) Stellar Evolution, Main-Sequence Cepheids, Giants
Mon Sep 30	Quiz 5, Death of Stars White Dwarfs, Neutron Stars Supernovae

<i>Week of</i>	<i>Topics</i>
Mon Oct 7	(Wed only) Quiz 6, Black Holes, Worm Holes General Relativity
Mon Oct 14	Time Travel, Milky Way Galaxy Galactic Dynamics
Mon Oct 21	Other Galaxies, Types of Galaxies Clusters, Superclusters, Dark Matter Hubble's Law, The Hubble Constant
Mon Oct 28	EXAM 2 (likely Mon Oct 28), covers all material after Exam 1 Quasars, Active Galaxies Supermassive Black Holes, Bursters
Mon Nov 4	Cosmology Big Bang Theory, Inflation
Mon Nov 11	High-Energy Physics Reductionism, HyperSpace String Theory, Fundamental Constants of the Universe
Mon Nov 18	Fate of the Universe Dark Energy
Mon Dec 2	Life in the Universe Looking for E.T's The Drake Equation
Mon Dec 9	FINAL EXAM, (TBD) Comprehensive -- covers all material (bring pencil)