

AST 235. Astronomy: Stars, Galaxies, and Cosmology - Fall 2018

Tentative Lecture Schedule, week by week (plus helpful dates to remember)

Date	Chapter	Topic	Homework
Aug 14		Introduction to the Course	Tutorial assigned*
Aug 16	1.1-1.4	Modern View of the Universe	Ch 1 assigned
Aug 21	2.1-2.4	What We See in the Sky	Tutorial due**
Aug 23	2.1-2.4	Half class in the UNCG Planetarium: Earth's Orbit and its Effects	Ch 1 due** Ch 2 assigned, Lab 1 assigned
Aug 28	3.1-3.3	History of Astronomy, The Scientific Method	
Aug 30	3.4, 4.1-4.2	Basic Laws of Physics, I.	Lab 1 due, Ch 2 due 9/1 Ch 3 assigned
Sep 4	4.3-4.4	Basic Laws of Physics, II.	Ch 4 assigned
Sep 6	5.1-5.2	Properties of Light	Ch 3 due Lab 2 assigned
Sep 11	5.3-5.4	Properties of Matter	Ch 4 due Ch 5 assigned
Sep 13	6.1-6.3	Astronomical Telescopes and Types of Observation	Ch 6 assigned, Lab 3 assigned Lab 2 due
Sep 18	14.1-14.2	The Sun: Internal Structure and Energy Source	Ch 5 due
Sep 20		Midterm Review, Ch. 1-6, 14.1-14.2	Ch 6 due, Lab 3 due
Sep 25	1-6, 14.1, 14.2	Mid-Term Exam 1	
Sep 27	14.3, 15.1-15.2	Solar Activity Properties of stars	Ch 14 assigned
Oct 2	15.3	Clusters of Stars	Ch 15 assigned, Lab 4 assigned
Oct 4	16	Star Formation	Ch 14 due Ch 16 assigned
Oct 9	---	<i>Fall Break</i>	----
Oct 11	17.1-17.2	Stellar Life Cycles: Low-Mass Stars	Ch 15 due, Lab 4 due

Oct 16	17.2-17.3	Stellar Life Cycles: High-Mass Stars	Ch 16 due Ch 17 assigned
Oct 18	18	Death of Stars	Ch 18 assigned
Oct 23		Review for midterm 2: 14-18	Ch 17 due
Oct 25	14-18	Mid-Term Exam 2	
Oct 30	19	The Milky Way Galaxy	Ch 18 due Ch 19 assigned, Lab 5 assigned
Nov 1	20	Hubble's Law and distance scales in the universe	Ch 20 assigned
Nov 6	21	The Variety of Galaxies	Ch 19 due, Lab 5 due Lab 6 assigned
Nov 8	22	The Birth of the Universe	Ch 20 due Ch 22-23 assigned
Nov 13	23	Dark Matter and Dark Energy	Lab 6 due
Nov 15	13 (<i>in e-textbook</i>)	Exoplanets	Ch 22-23 due Ch 13 assigned
Nov 20	24	Life in the Universe	Ch 23 due
Nov 22		<i>Nov. 21-25: Thanksgiving break, woot!</i>	
Nov 27	1-6, 13-24	Review for final exam: mostly covering Ch. 13, 19-24, some 1-6 content will appear	Ch 13 due
Dec 4	1-6, 13-24	Final Exam (12:00 - 3:00 p.m.)	
*assigned = available on MasteringAstronomy at 11:59am			
**left open for full credit until the end of the semester.			

Grading Scale

A+	≥96.1%	B+	86.1-89.0%	C+	76.1-79.0%	D+	66.1-69.0%
A	92.1-96.0%	B	82.1-86.0%	C	72.1-76.0%	D	63.1-66.0%
A-	89.1-92.0%	B-	79.1-82.0%	C-	69.1-72.0%	D-	60.1-63.0%

F_≤60.0%