

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		Class 1. Introduction to the Course	Tutorial assigned*
Aug 16	1.1-1.4	Class 2. Modern View of the Universe	Ch 1 assigned
Aug 21	2.1-2.4	Class 3. What We See in the Sky	Tutorial due**
		Class 4. Half class in the UNCG	Ch 1 due**
Aug 23	2.1-2.4	Planetarium: Earth's Orbit and its Effects	Ch 2 assigned, Lab 1 assigned
Aug 28	3.1-3.3	Class 5. History of Astronomy, The Scientific Method	
Aug 30	3.4, 4.1-4.2	Class 6. Basic Laws of Physics, I.	Lab 1 due, Ch 2 due 9/1 Ch 3 assigned
Sep 4	4.3-4.4	Class 7. Basic Laws of Physics, II.	Ch 4 assigned
Sep 6	5.1-5.2	Class 8. Properties of Light	Ch 3 due
			Lab 2 assigned
Sep 11	5.3-5.4	Class 9. Properties of Matter	Ch 5 assigned No new assignments today; hurricane
Sep 13		<i>Canceled; Hurricane Florence</i>	<i>Note most due dates shifted to after midterm</i>
Sep 18	6.1-6.3	Class 10. Properties of matter recap, Astronomical telescopes and types of observation	Lab 2 assigned Ch 5 assigned Ch 6 assigned
Sep 20		Class 11. Midterm Review, Ch. 1-6, 14.1-14.2	Lab 3 assigned Ch 4 due
Sep 25	1-6	Mid-Term Exam 1	
Sep 27	14.1-14.2	Class 12. The Sun: Internal Structure and Energy Source	Ch 5 due, Lab 2 due
Oct 2	14.3, 15.1-15.2	Class 13. Solar Activity Properties of stars	Ch 14 assigned Ch 6 due, Lab 3 due
Oct 4	15.3	Class 14. Clusters of Stars	Ch 15 assigned, Lab 4 assigned

Oct 9	---	Fall Break	----
Oct 11	16	Class 15. Star Formation	Ch 16 assigned Ch 14 due
Oct 16	17.1-17.2	Class 16. Stellar Life Cycles: Low-Mass Stars	Ch 15 due, Lab 4 due
Oct 18	17.2-17.3	Class 17. Stellar Life Cycles: High-Mass Stars	Ch 16 due Ch 17 assigned
Oct 23	18	Class 18. Death of Stars	Ch 18 assigned
Oct 25		Class 19. Review for midterm 2: 14-18	Ch 17 due
Oct 30	14-18	Mid-Term Exam 2	
Nov 1	19	Class 20. The Milky Way Galaxy	Ch 18 due Ch 19 assigned, Lab 5 assigned
Nov 6	20	Class 21. Hubble's Law and distance scales in the universe	Ch 20 assigned
Nov 8	21	Class 22. The Variety of Galaxies	Ch 19 due, Lab 5 due Lab 6 assigned
Nov 13	22	Class 23. The Birth of the Universe	Ch 20 due Ch 22-23 assigned
Nov 15	23	Class 24. Dark Matter and Dark Energy	Lab 6 due
Nov 20	13 (in e-textbook), 24	Class 25. Exoplanets, Life in the Universe	Ch 22-23 due Ch 13 assigned
Nov 22		Nov. 21-25: Thanksgiving break, woot!	
Nov 27	1-6, 13-24	Class 26. 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.

No homework due on days of midterms; check lecture schedule, doing homework early may be good exam preparation!

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%