

Course Outline: Physics 109, Fall 2015

Instructor: Greg Cook

Office: 304 Olin

This syllabus is to be considered a non-binding outline of the pace of this course. The exact dates of, and material covered in, the hour exams may also change.

- 9/6~~+~~ Chapter 1: 8/26 (Our Place in the Universe)
9/6~~+~~ Chapter 2: 8/28, 8/31 (Discovering the Universe for Yourself)
9/13~~+~~ Chapter 3: 9/2, 9/4 (The Science of Astronomy)
9/13~~+~~ Chapter 4: 9/7, 1/9 (Making Sense of the Universe)
9/20~~+~~ Chapter 5: 9/11, 9/14 (Light: The Cosmic Messenger)

1st hour exam: 9/21; Covering Chapters 1—5

- 9/27~~+~~ Chapter 6: 9/16, 9/18 (Formation of Solar System)
10/4~~+~~ Chapter 7: 9/23, 9/25 (Earth and the Terrestrial Worlds)
10/4~~+~~ Chapter 8: 9/28, 9/30, (Jovian Planet Systems)
10/11~~+~~ Chapter 9: 10/2, 10/5 (Asteroids, Comets, and Dwarf Planets)
10/11~~+~~ Chapter 10: 10/7 (Other Planetary Systems)

2nd hour exam: 10/12; Covering Chapters 6—10

- 10/18~~+~~ Chapter 11: 10/9, 10/14 (Our Star)
10/25~~+~~ Chapter 12: 10/19, 10/21 (Surveying the Stars)
11/1~~+~~ Chapter 13: 10/23, 10/26, 10/28 (Star Stuff)

3rd hour exam: 11/2; Covering Chapters 11—13

- 11/8~~+~~ Chapter 14: 10/30, 11/4 (The Bizarre Stellar Graveyard)
11/15~~+~~ Chapter 15: 11/6, 11/9 (Our Galaxy)
11/22~~+~~ Chapter 16: 11/11, 11/13, 11/16 (A Universe of Galaxies)

4th hour exam: 11/23; Covering Chapters 14—16

- 12/6~~+~~ Chapter 17: 11/18, 11/20 (The Birth of the Universe)
12/6~~+~~ Chapter 18: 11/30, 12/2, 12/4 (Dark Matter & Energy, & Fate of Univ.)

Final Exam: 12/9, 2:00pm **Cumulative**, Chapters 1—18

In the event that the University closes due to **pandemic or other disaster**, please study the text and do the listed homework sets following the schedule. I will also post the PowerPoint slides that I would usually give in class.

If e-mail contact is possible, I will attempt to answer questions and set the pace of the class. If this is not possible, then keep within 2 weeks of the pace set in this Syllabus.

Greg Cook
343 Homework
Dept. of Physics
Wake Forest University
Winston-Salem, NC 27009-7507

Instead of the scheduled set of 4 tests and a final, you will be mailed or e-mailed a mid-term test and a final exam that should be taken closed book, without access any other resources. Return the final exam by Dec. 31, 2015.