

Course Outline: Physics 109, Spring 2012

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.

- 1/29~~+~~ Chapter 1: 1/18 (Our Place in the Universe)
- 1/29~~+~~ Chapter 2: 1/20, 1/23 (Discovering the Universe for Yourself)
- 2/5~~+~~ Chapter 3: 1/25, 1/27 (The Science of Astronomy)
- 2/12~~+~~ Chapter 4: 1/30, 2/1 (Making Sense of the Universe)
- 2/12~~+~~ Chapter 5: 2/3, 2/6 (Light: The Cosmic Messenger)

1st hour exam: 2/13; Covering Chapters 1—5

- 2/19~~+~~ Chapter 6: 2/8, 2/10, 2/15 (Formation of Planetary Systems)
- 2/26~~+~~ Chapter 7: 2/17, 2/20 (Earth and the Terrestrial Worlds)
- 3/4~~+~~ Chapter 8: 2/22, 2/24, (Jovian Planet Systems)
- 3/4~~+~~ Chapter 9: 2/27, 2/29 (Asteroids, Comets, and Dwarf Planets)

2nd hour exam: 3/5; Covering Chapters 6—9

- 3/25~~+~~ Chapter 10: 3/2, 3/7, 3/9 (Our Star)
- 3/25~~+~~ Chapter 11: 3/19, 3/21 (Surveying the Stars)
- 4/1~~+~~ Chapter 12: 3/23, 3/26, 3/28 (Star Stuff)

3rd hour exam: 4/2; Covering Chapters 10—12

- 4/8~~+~~ Chapter 13: 3/30, 4/4 (The Bizarre Stellar Graveyard)
- 4/15~~+~~ Chapter 14: 4/9, 4/11 (Our Galaxy)
- 4/22~~+~~ Chapter 15: 4/13, 4/16, 4/18 (Galaxies & Foundation of Mod. Cosmol.)
- 4/29~~+~~ Chapter 16: 4/20, 4/23 (Dark Matter & Energy, & Fate of the Univ.)

4th hour exam: 4/30; Covering Chapters 13—16

- 5/6~~+~~ Chapter 17: 4/25, 4/27, 5/2 (The Beginning of Time)

Final Exam: 5/9, 9:00am **Cumulative**, Chapters 1–17

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 exam by May. 23, 2012.