

Instructor and GSI:

Martin White (mwhite@berkeley.edu)

██████████ (██████████)

Office Hours

MW: Tue 9:30-10:30am, 355 Campbell Hall

GSI: ██████████, ██████████

Grading

HW (1/3), take-home final (2/3)

Problem sets go out Thursday and are due the following week, Thursday @ 5pm.

Text: "Introduction to Cosmology", Ryden, 2nd ed.

Outline

- * Introduction (Ryden 1-2)
- * General relativity (Ryden 3)
- * Friedmann models (Ryden 4-6)
- * Thermodynamics (Ryden 2)
- * Dark matter (Ryden 7)
- * BBN (Ryden 9)
- * Inflation (Ryden 10)
- * The CMB (Ryden 8)
- * Structure formation (Ryden 11-12)
- * Special topics (if time permits).