

# Phys/Astr 224 – Physical Cosmology – Spring 2012

## Questionnaire

Your name: \_\_\_\_\_

**What is the most advanced course you have had on general relativity, and what textbooks on GR have you studied:**

**What previous courses have you had on cosmology, and what cosmology texts have you studied:**

**What are your main research interests in Astronomy?**

**Please indicate (+ +, +, -, - -) your level of interest in the following cosmological topics:**

- Cosmic inflation
- Eternal inflation
- Creation of matter-antimatter asymmetry (baryogenesis)
- Particle physics of dark matter candidates
- Direct and indirect detection of dark matter
- Nature of the dark energy
- Big bang nucleosynthesis
- Cosmic microwave background
- Gravitational lensing
- Simulation methods and results
- Formation of the first stars
- Reionization of the universe
- Nature of the earliest galaxies
- Formation and evolution of galaxies
- Distribution of galaxies in the universe
- Semi-analytic models of the evolving galaxy population
- Galaxy clusters

**Other topics you would like to see covered in this course:**

**What other courses are you taking this quarter, with meeting times:**