Basics:

Date of midterm: Thursday, March 19
Time: 3:30pm-5:30pm
Place: 55 Roessler
Bring: Your own bluebooks (any size) scantron sheet (a blue UCD 2000 scantron) from the bookstore. Also your own pens and pencils.
Calculators: Please bring a calculator. **NOTE**: Calculators only, no palm pilots, cellphones or other equipment with additional capabilities. Standard graphing calculators are ok.
Your own notes/books: **Not permitted**
Equations: All equations required will be provided on a special section of the exam sheet. However, they will not be labeled in any way.
Fundamental constants: You will not be required to memorize any of these.
Conversion between units: Some will be provided on the exam. You may also ask about these during the exam. You are not expected to memorize conversion between units.

Types of Questions:

- The exam will consist of two parts, each carrying **approximately equal weight**. The first part will be multiple choice, and the 2nd part will be short answer.
- I might ask you to remember facts from lecture or the reading, to use and interpret the key equations.

**A comprehensive list of Assigned Reading: Available on the course web site.**

Study Guide:

1) Make sure you can do and understand each homework problem including the non-graded “HW10” (The exam will emphasize material related to the homework problems.)
2) Make sure you understand all the past midterm questions, especially ones you got wrong originally
3) Make sure you have done all the assigned reading (posted on the front of the web page), and reviewed your lecture notes. **You are not expected to remember details from the reading that do not relate to topics covered in class or on the homework.**
Focus on the parts of the reading that are related to topics on the homework or lectures.

4) All topics from the course will be covered, with an emphasis on the material not yet covered on a midterm.

5) If there was a problem that many students had trouble with on one of the midterms, I will be inclined to give a similar problem on the final. Review your performance on the Midterms.

Important equations to understand:

- All equations mentioned on the MT-I and MT-II review sheets.
- The equation for escape velocity discussed in lecture
- Equations for $\rho_m$, $\rho_{\text{Univ}}$, $\rho_c$, $\rho_\Lambda$, $\rho_\varphi$, and $\Omega$ as used in the homework and lectures on inflation.