

**Info Sheet for the Final Exam**  
**PHY 115a**  
**Wed June 13 2007**  
**1:30pm**  
**130 P/G**  
**Andreas Albrecht**

**Basics:**

Date of midterm: **Wed June 13 2007**

Time: 1:30pm-3:30pm

Place: 130 P/G

Bring: Your own \*blank\* bluebooks (*any size*) and your own pen(s).

Calculators: Are likely to be useful. 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:** Short answer. You will be required to show your work for credit.

**All Assigned Reading is listed on the course web site.**

**Study Guide (in order of importance):**

- 1) Make sure you can do and understand each homework *and midterm* problem (For all homework sets including HW8). The exam will be comprehensive, with somewhat greater emphasis on the material not examined on either of the two midterms.
- 2) Understand the lecture notes
- 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) *Important:* The **only** parts of chapter 12 of the lecture notes that are examinable are sections **12.4.3** and **12.4.4**. I think you will find the rest of section 12 useful as you learn more quantum mechanics and think about what it means, but I will not examine you on that material on the final.
- 5) Sections **13.1** and **13.2** of the lecture notes are examinable. Section 13.3 will *not* be examinable.