

Physics 31: Information about the final exam

The final exam will be held from 8:00 – 11:00 am on Saturday May 8, 2004 in Room 270 Lewis Lab. The exam will be closed book, but you may bring one new sheet of notes, size 8 ½ x 11 inches, written on both sides. You may also bring the two sheets you prepared for the first two exams. If you did not keep those earlier sheets, or if you prefer, you can simply bring in 3 new sheets (your choice). The exam itself will contain the tables of Fundamental Constants, Particle Masses, Conversion Factors, and Useful Combinations of Constants from the inside front cover of the book, and the Mathematical Relations from page A-4, as well as any other integrals you will need. Therefore, you do not need to write any of that information on your sheet of notes.

You should bring a calculator.

The exam will cover everything in the course including chapters 1 through 8 and homework assignments 1 through 11. However, it will not cover the “anomalous Zeeman effect” (you do need to know the “normal Zeeman effect”). I anticipate that the exam will be approximately two to two and a half times as long as a midterm exam (i.e. approximately 9 – 10 problems).