

PHYS 211E

Classical and Modern Physics

Fall 2008

Martin Ligare
Office: Olin 167
Lab: Olin 156
Phone: 7-1213 or 7-1207
email: mligare@bucknell.edu
course website: <http://www.eg.bucknell.edu/~mligare/ph211e>

Office Hours (tentative): M 11-1, W 11-12, R 4-5, F 11-12, 1-2

Texts

- **Essential University Physics**, R. Wolfson
- **Physics 211 Additional Problems and Supplementary Reading**, Bucknell Physics Department
- **Physics 211 Laboratory Manual**, Bucknell Physics Department

Synopsis

- Unit 1: Classical Mechanics
- Unit 2: Relativity
- Unit 3: Thermodynamics and Statistical Mechanics
- Unit 4: Gravitation

Weekly Schedule

- Monday: Class Meeting w/lecture
Hand-In Problems Due
- Wednesday: Class Meeting w/lecture
- Thursday: Fourth hour (supplementary material)
- Friday: Problem Session w/quiz
- Various: Lab

Grading

- 300 points for in-class tests
- 120 points for comprehensive final exam
 - 60 points for lab final (given with comprehensive final)
 - 60 points for satisfactory completion of 12 labs (failure to complete all 12 labs will result in an automatic grade deduction)
- 80 points for weekly hand-in homework assignments
- 40 points for Friday quizzes
- 15 points for group problem-solving exercises
- 60 points for other assignments (computer exercises, reading responses, etc.)

Exam Dates

- Test 1:** Thursday September 25
- Test 2:** Wednesday October 29
- Test 3:** Monday November 24

Bucknell Honor Code

As a student and citizen of the Bucknell University community:

1. I will not lie, cheat, or steal in my academic endeavors.
2. I will forthrightly oppose each and every instance of academic dishonesty.
3. I will let my conscience guide my decision to communicate directly with any person or persons I believe to have been dishonest in academic work.
4. I will let my conscience guide my decision on reporting breaches of academic integrity to the appropriate faculty or deans.