Course Information

| Instructor          | Robert L. Merlino  
|                    | 405 Van Allen Hall  
|                    | 335-1756  
| Email              | robert-merlino@uiowa.edu  
| Office Hours       | Tuesday and Thursday 10 – 11:30 AM, or by appointment  

Teaching Assistant: All TA information will be posted on the class web page

Class Web Page: http://www.physics.uiowa.edu/~rmerlino/006FALL04/

Second Edition, by Louis A. Bloomfield  
John Wiley Publisher  
Additional student resources are available at: www.wiley.com/college/howthingswork

Department of Physics and Astronomy  
Main Office:  
• 203 Van Allen Hall  
• Phone 335-1686  
• Chair: Prof. Thomas F. Boggess  
• thomas-boggess@uiowa.edu

Course Registration  
The course instructor does not handle course registration. Changes in course registration including adding and dropping will be in Room 203 VAN between the hours of 8-12 and 1-5 Mon-Fri.

Course Examinations  
A. There will be 2 midterm exams given in class on:  
   (1) Wednesday September 29, and (2) Wednesday November 10

B. Final Exam: Wednesday December 15, 9:45 – 11:45 AM in LRI VAN

All exams will be multiple-choice. All exams are closed book and no notes or other materials are permitted. Students will be required to show their university photo id before or after exams. Make-up examinations will only be given in the event of verifiable medical excuses or for absence due to conflicting official university activities. Students falling into one of these categories should inform me by email or phone as soon as possible.
• Course Grading
Your semester grade will be based strictly on the 2 midterm exams and the final exam. There is a maximum of 100 total points

Midterms: 2 @ 25 points each = 50 points
Final Exam: = 50 points

• Midterm Exam Scores and Semester Grades
Exam scores and final semester grades will be posted on WebCT. You will need your Hawk ID and HAWK ID password to access your grades. See: http://www.uiowa.edu/homepage/students/index.html The plus/minus system will be used in assigning course grades.

• Reading and Problem Assignments
All reading and problem/conceptual question assignments will be posted on the class web page. Students are strongly urged to work the problems although they will not be collected and graded, and will not directly count toward the semester grade. Solutions to the assignments will be posted on the class web page.

• Class Attendance
Lecture demonstrations will be an essential part of this course. Every attempt will be made to exhibit the everyday physics examples through the use of these demonstrations. Even though the some of the examples are discussed in the textbook, there is really no substitute for being present when these demonstrations are performed.

• Availability of Modifications
I need to hear from anyone who has a disability, which may require some modification of seating, testing, or other class requirements so that appropriate arrangements may be made. Please contact me during my office hours. Students with disabilities should also contact the Office of Student Disabilities Services (335-1462)

• Procedures for Student Complaints
A student who has a complaint related to a Physics or Astronomy course should follow the procedures summarized below. The full policy on student complaints is on-line in the College's Student Academic Handbook http://www.clas.uiowa.edu/faculty/handbook/5/f.shtml
Ordinarily, the student should attempt to resolve the matter with the instructor first. If the complaint is not resolved to the student's satisfaction, the student should go to the course supervisor (if the instructor is a teaching assistant) or to Associate Chair, Professor Craig Kletzing. If the matter remains unresolved, the student may submit a written complaint to the Associate Dean for Academic Programs, 120 Schaeffer Hall (335-2633). The associate dean will attempt to resolve the complaint and, if necessary, may convene a special committee to recommend appropriate action. In any event, the associate dean will respond to the student in writing regarding the disposition of the complaint. For any complaint that cannot be resolved through the mechanisms described above, please refer to the College’s Student Academic Handbook for further information.
- **Plagiarism and cheating**
  A student suspected of plagiarism or cheating must inform the student in writing as soon as possible after the incident has been observed or discovered. Instructors who detect cheating or plagiarism may decide, in consultation with the departmental executive officer, to reduce the student's grade on the assignment or the course, even to assign an F. The instructor writes an account of the chronology of the plagiarism or cheating incident for the DEO (Associate Chair), who sends an endorsement of the written report of the case to the Associate Dean for Academic Programs, CLAS. A copy of the report will be sent to the student. A detailed policy is printed in the Schedule of Courses and the College's Student Academic Handbook.

- **Amount of Work Expected**
  The College guideline is that one semester hour of credit is the equivalent of approximately three hours of work (class time + out-of-class preparation) each week over the course of a whole semester. In a typical lecture/discussion course, each hour of class normally entails at least two hours of outside preparation for the average student (e.g., in a three-credit-hour lecture course, standard out-of-class preparation is six hours per week). This standard is the basis on which the Registrar's Office assigns hours of University credit for courses.

- **Student Rights and Responsibilities**
  All students in the College have specific rights and responsibilities. You have the right to adjudication of any complaints you have about classroom activities or instructor actions. Information on these procedures is available in the Schedule of Courses and on-line in the College's Student Academic Handbook (http://www.clas.uiowa.edu/students/academic_handbook/). You also have the right to expect a classroom environment that enables you to learn, including modifications if you have a disability.

  Your responsibilities to this class-and to your education as a whole-include attendance and participation. (Here an instructor could put specific information on his/her or the department's attendance policy.) You are also expected to be honest and honorable in your fulfillment of assignments and in test-taking situations (the College's policy on plagiarism and cheating is on-line in the College's Student Academic Handbook http://www.clas.uiowa.edu/students/academic_handbook/). You have a responsibility to the rest of the class-and to the instructor-to help create a classroom environment where all may learn. At the most basic level, this means that you will respect the other members of the class and the instructor, and treat them with the courtesy you hope to receive in turn.

- **Information for students outside the College of Liberal Arts who are taking this course**
  This course is given by the College of Liberal Arts. This means that class policies on matters such as requirements, grading, and sanctions for academic dishonesty are governed by the College of Liberal Arts. Students wishing to add or drop this course after the official deadline must receive the approval of the Dean of the College of Liberal Arts. Details of the University policy of cross
enrollments may be found at:
http://www.uiowa.edu/~provost/deos/crossenroll.doc

- **Topics covered in this course**

  I. The laws of motion
  II. States of Matter - fluids
  III. Heat and Thermodynamics
  IV. Oscillations, waves and sound
  V. Electric and Magnetic Forces
  VI. Light and optics
  VII. Modern Physics