

## 029:011 (PHYS: 1511) COLLEGE PHYSICS – SUMMER SESSION 2013 COURSE INFORMATION

### INSTRUCTOR

- Professor Robert Merlino, 405 Van Allen Hall
- Phone - 335-1756, Email: [robert-merlino+29011@uiowa.edu](mailto:robert-merlino+29011@uiowa.edu)
- Office Hours: T-W-Th – 10:15–11:15, or email me to set up a meeting.

### COURSE PRE-REQUISITES

22M:005. An algebra and trigonometry review is given in the Textbook Appendix

### LECTURES AND LABS

- Lectures: M-T-W-TH-F 9 – 9:50 AM 70 VAN
- Labs: 262 VAN (:001-MW, 1:00-3:50, :002 TTh, 1:00-3:50, sec :003 TTh, 5:00-7:50)

### COURSE WEBPAGES

- (1) <http://www.physics.uiowa.edu/~rmerlino/11Sum13/> (On the Physics Dept. Web)
- (2) ON ICON: <https://icon.uiowa.edu/> A link to (1) is here also.

### PHYSICS DEPARTMENT

- MAIN OFFICE: 203 Van Allen Hall (335-1686)
- DEO: Prof. Mary Hall Reno 515 VAN (335-1689) [mary-hall-reno@uiowa.edu](mailto:mary-hall-reno@uiowa.edu)
- Associate DEO: Prof. Paul Kleiber, 312 VAN (335-1841) [paul-kleiber@uiowa.edu](mailto:paul-kleiber@uiowa.edu)

### COURSE MATERIALS

- *Required:* Textbook: *Physics*, Vol. 1, 9<sup>th</sup> Edition by Cutnell and Johnson, John Wiley, ISBN-13 978-0-470-87953-5
- *Required:* Lab Manual: *Experiments in Mechanics, Wave motion and Heat*
- *Optional:* Student Solutions Manual and Study Guide for Cutnell and Johnson.

### TEACHING ASSISTANTS

The labs are conducted by a teaching assistant. Their contact information will be posted on the course webpage.

### TUTORIAL ROOM

TA's will be available for help in room 310 VAN (TILE room). The schedule will be posted on the course webpage.

### AVAILABILITY OF MODIFICATIONS

Any student who has a disability, which may require some modification of seating, testing, or other class requirements, should contact me so that appropriate arrangements may be made. Students with disabilities should also contact the Office of Student Disabilities Services (335-1462).

## LABS

- Although two labs sessions are scheduled each week, there are only 2 weeks with 2 lab sessions. The lab schedule is posted on the course webpage.
- Labs start on the first week of class - for sect :001 your first lab will be on W (6/12) For sections :002 and :003, your first lab will be on Th (6/13)
- *You must complete all 10 labs in order to satisfy the course requirements.* If you miss a lab due to an excused absence, there is a makeup session during week 8
- If you have taken 29:011 previously, it may be possible to get credit for the labs that you have already done. You should email me about this as soon as possible.

## EXAMS

- There will be 4, 50 minute exams, given in class times, every other Friday.
- **Exam Dates: F June 21, F July 5, F July 19, and F August 2.**
- There is no "final exam" in the summer session. The last exam (4) is given during the last class and will be a one-hour, non-comprehensive exam.
- All exams will have 15 multiple-choice questions. You can use a simple calculator.
- A page of formulas and constants will be provided for each exam
- A study guide will be posted for each exam a few days before each exam date
- All 4 exam scores are used in determining your course grade; the lowest score is not dropped
- Makeup exams will only be given in the event of verifiable medical reasons or for absence due to official University activities. It is up to you to inform me as soon as possible if you will be missing an exam
- After each exam I will post the correct answers on the class webpage. Exam scores will also be posted on ICON

## HOMEWORK

- Solving problems is essential to learning Physics, and is the best way to prepare for the exams
- A problem assignment for each chapter will be posted on the course webpage, and complete solutions to the assignments will be posted on ICON a few days after they are assigned.
- The problem assignments will not be collected and graded, but you should attempt to solve the problems before looking at the solutions. Reading the solutions without attempting to solve the problems is not advised.

## GRADING

- 4 Exams - 20% each
  - Lab - 20% (All 10 labs must be completed to pass the course)
  - Grades will be determined entirely on your exam and lab grades. There is no possibility for extra credit work.
- 

## **REQUIRED INFORMATION PROVIDED TO STUDENTS**

### **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 Mary Hall Reno. 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 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, available at [http://www.clas.uiowa.edu/students/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/](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**

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 CLAS. Details of the University policy of cross enrollments may be found at <http://www.uiowa.edu/~provost/deos/crossenroll.doc>

---

## **THE COLLEGE OF LIBERAL ARTS AND SCIENCES POLICIES AND PROCEDURES**

### **Administrative Home**

The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall, or see the CLAS [Student Academic Handbook](#).

### **Electronic Communication**

University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences. (*Operations Manual*, [III.15.2](#). Scroll down to k.11.)

### **Accommodations for Disabilities**

A student seeking academic accommodations should first register with Student Disability Services and then meet privately with the course instructor to make particular arrangements. See [www.uiowa.edu/~sds/](http://www.uiowa.edu/~sds/) for more information.

**Academic Fraud**

Plagiarism and any other activities when students present work that is not their own are academic fraud. Academic fraud is a serious matter and is reported to the departmental DEO and to the Associate Dean for Undergraduate Programs and Curriculum. Instructors and DEOs decide on appropriate consequences at the departmental level while the Associate Dean enforces additional consequences at the collegiate level. See the CLAS Academic Fraud section of the [Student Academic Handbook](#).

**CLAS Final Examination Policies**

Final exams may be offered only during finals week. No exams of any kind are allowed during the last week of classes. Students should not ask their instructor to reschedule a final exam since the College does not permit rescheduling of a final exam once the semester has begun. Questions should be addressed to the Associate Dean for Undergraduate Programs and Curriculum.

**Making a Suggestion or a Complaint**

Students with a suggestion or complaint should first visit the instructor, then the course supervisor, and then the departmental DEO. Complaints must be made within six months of the incident. See the CLAS [Student Academic Handbook](#).

**Understanding Sexual Harassment**

Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI [Comprehensive Guide on Sexual Harassment](#) for assistance, definitions, and the full University policy.

**Reacting Safely to Severe Weather**

In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the Public Safety [web site](#).

\*These CLAS policy and procedural statements have been summarized from the web pages of the [College of Liberal Arts and Sciences](#) and The University of Iowa [Operations Manual](#).