

**PHYS1611 - Introductory Physics I**  
**Section AAA: LR1 VAN - MWF 10:30-11:20**  
**Section BBB: LR1 VAN - MWF 9:30-10:20**

**Instructor:** Craig Kletzing  
**Office:** 502 VAN  
**Phone:** 335-1904  
**Office Hours:** MW 5:00-6:00, Th 4:00-5:00, or by appointment  
**Instructor:** Philip Kaaret  
**Office:** 702 VAN  
**Phone:** 335-1985  
**Office Hours:** TuTh 2:00-3:30, or by appointment  
**Department:** Physics & Astronomy, 203 Van Allen Hall, Prof. Fred Skiff, Chair  
**Course web site:** <http://delta.physics.uiowa.edu/classwebsite/PHYS1611-Sp16.html>

**Required Texts:** *Fundamentals of Physics*, Halliday, Resnick & Walker, vol. 1, 10th ed., with WileyPLUS, John Wiley & Sons, 2014.  
*Experiments in Mechanics, Wave Motion, and Heat*  
by Faculty & Staff, UI, Department of Physics & Astronomy., 2015-2016 edition

**Course Description:** An introduction to the physics of kinematics, forces, circular motion, work, energy, linear and angular momentum, gravity, sound, waves, fluid mechanics and thermodynamics. The course is intended for engineering and science majors. We will cover Ch. 1-20 at a rate of 1-2 chapters per week. Specific reading assignments will be given in class and on the course web page. This course requires calculus, algebra, and trigonometry. This course will be team-taught with the instructors alternating approximately every three weeks.

**Course Preparation:** This is a 4 s.h. course. CLAS guidelines are that students should expect to spend a minimum of two hours per semester hour per week on study outside of class. This means 8-12 hours per week on homework, reading, and other study.

**Student Response System:** For in-class and discussion section interactive questions, we will be using the Turning Point student response system transmitters, commonly known as clickers, in class. These devices can be purchased at the bookstores and work in all UI classes which use them.

**Homework:** Assigned every Friday, due the following Friday. Homework will be web-based using WileyPLUS. Students are encouraged to discuss problems together, but must do their own work on their individual solutions. Students may work on a given homework assignment as much as desired within the time allotment and problems may be repeated to achieve full credit. Use of online solution websites is *strongly* discouraged because physics is learned by doing problems, not by using someone else's solution. No credit is awarded for late homework.  
**Homework site:** <http://www.wileyplus.com/class/488736>

**Exams:** Three one hour *evening* midterm exams .  
One two-hour final exam.

**Grading:**

Discussion Section - 5%  
Lab - 10%  
Homework - 15%  
Mid-term exams - 15% each  
Final exam - 25%

Final course grades will be based on the total score using the above percentages and will be given using plus/minus grading. There will be no make-ups for the one-hour exams except in **truly** extraordinary circumstances for which the student comes to the instructor *before* the exam to plan a make-up. Only 9 of the 10 labs will be counted toward grading, however, there will be **no** make-up labs.

**Discussion Section:**

This is a required part of the course. These will be interactive sections held in the TILE classroom in 469 VAN. The discussion section will focus on solving example problems to help students understand how to apply the concepts discussed in lecture and will help in solving homework problems.

**Laboratory:**

Laboratory is a key part of the course. Lab does not meet during the first week of class or during exam weeks. Eating and drinking in laboratory is not allowed. Conflicts between laboratory meeting times and night exams offered in other classes are to be resolved by the student asking for a make-up exam for the conflicting night exam. University policy is that instructors *must* offer such a make-up exam and that regularly scheduled class time including laboratory take precedent over night exams.

## Schedule of Exams

**Hour Exam 1:** Wednesday, February 17, 2016, 6:30 PM in Macbride Hall Auditorium

**Hour Exam 2:** Wednesday, March 23, 2016, 6:30 PM in Macbride Hall Auditorium

**Hour Exam 3:** Wednesday, April 20, 2016, 6:30 PM in Macbride Hall Auditorium

**Final Exam:** The final examination date and time will be announced during the first half of the semester by the Registrar. We will announce the final examination date and time for this course once it is known.

**Do not plan your end of the semester travel until the final exam schedule is announced.**

**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 Academic Handbook. <http://www.clas.uiowa.edu/students/handbook>

**Academic Honesty**

All students taking this class must agree to the College's Code of Academic Honesty: "I pledge to do my own academic work and to excel to the best of my abilities, upholding the IOWA Challenge. I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled (CLAS Academic Policies 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.15.2k.11.)

### **Accommodations for Disabilities**

A student seeking academic accommodations should register with Student Disability Services and meet privately with the course instructor to make particular arrangements. For more information, visit this site: <http://sds.studentlife.uiowa.edu/>

### **CLAS Final Examination Policies**

The final examination schedule for each class is announced by the Registrar generally by the fifth week of classes. Final exams are offered only during the official final examination period. No exams of any kind are allowed during the last week of classes. All students should plan on being at the UI through the final examination period. Once the Registrar has announced the date, time, and location of each final exam, the complete schedule will be published on the Registrar's web site and will be shared with instructors and students. It is the student's responsibility to know the date, time, and place of a final exam.

### **Making a Suggestion or a Complaint**

Students with a suggestion or complaint should first visit the instructor, then the course supervisor and the departmental DEO. The DEO, Prof. Fred Skiff, can be contacted through the Department of Physics & Astronomy Main Office in 203 VAN. Complaints or comments regarding TA's should first be directed to the instructor. Complaints must be made within six months of the incident (CLAS Academic Policies 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 (<http://www.sexualharassment.uiowa.edu/>) for assistance, definitions, and the full University policy.

### **Reacting Safely to Severe Weather**

In severe weather, the class members should seek shelter in the innermost part of the building, if possible at the lowest level, staying clear of windows and free-standing expanses. The class will continue if possible when the event is over. (Operations Manual 16.14. i.)