

# PHYSICS 105 SECTION 003

## Fall Term 2009

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Office Hours: T-Th 10-11, N304 ESC  
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**Textbooks:** Serway and Faughn, *College Physics*, 5<sup>th</sup>-8<sup>th</sup> editions, Volume 1

**Course Website:** <http://www.physics.byu.edu/faculty/magleby/physics105.aspx>

### **Course Information: Website, Blackboard, or Packet?**

Course information is found in three separate places: the course website, the BYU Bookstore Physics 105 Packet and Blackboard. The information found in the Bookstore Packet (Schedule, Syllabus, Homework Discussion, Homework Set, and Vector Worksheet) can also be printed from the course website, but it is cheaper to buy it already printed from the Bookstore. The information on Blackboard (Practice Exams and Lecture Notes) is copyright protected and must be posted in a format that is only accessible to those who have registered for the course.

### **Course Identification Number:**

- Each of you will receive a 3-digit personal course identification number (CID) to confidentially label your work. It is also used to access the homework computer system.
- Those registered in the class before classes begin should have received a CID number by email through their Route-Y email address. If you do not regularly use your Route-Y address, please set it to forward your email to the address that you regularly use. If you were not registered at the beginning of the term or have not received it by the first day of classes, you can obtain your identification number over the Internet. Go to the course website and click on the link for Class Identification Numbers.
- All papers, quizzes, exams, etc., associated with this class must have your CID number on it. Missing/wrong CID numbers will result in zero credit.

### **Reading Assignments and Quizzes:**

- Reading assignments are shown on the course schedule (Course Website/Packet) and are based on the 8<sup>th</sup> edition. Other editions may vary slightly.

### **Reading Quizzes:**

- Reading quizzes are accessed from the course website. They can be taken early, but not late.
- Reading quizzes must be completed by noon the day of class. This gives me time to design a lecture around your questions and concerns, but it means you must have completed the reading and the quiz and pushed “submit” before noon. At noon, the quiz locks out.
- Answers to the reading quizzes are posted when the quiz closes.
- There are three parts to the reading quizzes:
  - An individual, on-your-honor reporting of your completion of the reading assignment.

- *Optional* extra questions, activities, games, simulations, etc. designed to introduce you to the topic of the day and to supplement your reading.
- *An optional* forum to post questions, concerns, frustrations. These questions/comments go into a big anonymous file that I try to read and respond to in class. This is the place to say, “I am really struggling with the concept of \_\_\_\_\_, can you explain it a different way?” On the other hand, if you have a specific question requiring an individual answer, please send an individual email.
- Reading quizzes are worth 5% of your final grade.

### **Quiz Zero:**

The first reading quiz is called “Quiz Zero” and is an online orientation to the class. It isn’t worth any points, but it is required must be done before the first reading quiz.

### **Homework:**

- There are two parts to each homework assignment. The computerized portion checks to see if you can get the correct answer and will be graded strictly on accuracy. The handwritten portion is to help you learn to do calculations quickly, neatly and efficiently and will be graded solely on presentation; it doesn’t matter if you get the right answer if your presentation is as proscribed. A sample of the required format for the handwritten portion can be found in the packet, and on the wall of the TA lab.
- The computerized portion is due at midnight Monday night, as shown on the *Class Schedule*, and will be submitted over the internet at <http://www.physics.byu.edu/faculty/magleby/physics105.aspx>.
- The hand-written portion of the each assignment is to be submitted in the Homework Submission Box found opposite room N357. They will be collected every Monday at 4 pm.
- Late homework can be turned in for half credit until the closing date for each unit, which is posted on the schedule. After the closing date for each of the three units, the computer will no longer accept homework for that unit.
- Details about the computer homework submission process can be found in the *Homework Submission* document found in the course packet and the course website.
- Additional information about submitting homework is located in the “Homework Submission” document in the course packet.
- Up to 50 bonus “Life is Messy”(LIM) homework points will be added to your overall homework score at the end of the semester. These LIM points are an acknowledgement that “stuff happens”, and are intended to compensate for the frustrations of dealing with any technical difficulties associated with computerized homework and also to be a sort of emergency fund to be used in case of sickness, flat tires, roommate/spouse/child issues, etc. You can use them to skip a whole homework assignment or to recover some points for missed/unfinished/late/miskeyed/misunderstood problems along the way.
- **Any requests for individual homework adjustments, extensions or exceptions will result in the loss of your LIM points, so think carefully before requesting special treatment.**
- The maximum overall homework score is 100%, or 45/100 total grade points. Homework scores will not be allowed to go over 100% even if there are unused LIM points.

### In-class clicker quizzes:

- Participation clicker quizzes will be given during the course of each lecture. They will be worth up to 2% extra credit. Clickers can be purchased at the bookstore.
- Clickers must be registered on the class website (not the BYU general site): <http://www.physics.byu.edu/faculty/magleby/physics105.aspx> .

### Exams:

- There will be three exams given this semester. These exams don't cover equal amounts of information and will be weighted differently. Exams 1 and 3 are worth 20 points each, while Exam 2 is only worth 10 points.
- All three exams will be given in the testing center as per the *Class Schedule*. It is your responsibility to keep track of opening and closing times and line conditions for the testing center on the exam days.
- Exams are closed book, closed note, and a formula sheet will be provided. An optional "No Formula" version of the exam will be available for those preparing for the MCAT. Those who choose to take any of the three exams without the equation sheet will be given the equivalent of one problem (usually 4 or 5 points out of 100) extra credit on that exam.
- You are expected to take all three of the exams. However, if you have some emergency which makes taking the exam impossible, CALL (801) 422-7056 IMMEDIATELY and leave a detailed message. I will get back to you ASAP and we will discuss Justice and Mercy.
- Exams may be taken early for university excused absences with sufficient notice. See your faculty advisor for the necessary form.
- Exams may not be taken late for any reason.

### Grades:

There will be no curve. Grades will be determined by the following weights:

Homework:	45%
Exam 1:	20%
Exam 2:	10%
Exam 3:	20%
Reading quizzes:	5%

- Unprofessional behavior such as grade grubbing, poor sportsmanship, rude or unruly behavior is subject to a fine of one-half grade point.
- Cheating will result in a zero grade and disciplinary action by the university.
- Minimum-guarantee grade breakdowns are:

A 94.0%	B+ 86.0%	C+ 74.0%	D+ 60.0%
A- 90.0%	B 82.0%	C 70.0%	D 54.0%
	B- 78.0%	C- 66.0%	D- 48.0%

### **Final Exam:**

- The final exam will not be cumulative. It will cover only the content from the third unit. It will be held in the testing center during finals week.

### **Tutorial Lab:**

The tutorial lab for Physics 105 is located in the north wing of the second floor of the ESC, in room N304.

### **Honor Code Standards:**

Remember that you have promised to uphold the principles of the honor code. This means honesty in your academic work. Cheating will result in a failing grade and other disciplinary action by the university. Please keep the dress code. It is embarrassing for both of us if I am forced to discuss it with you.

### **Prevention of Sexual Harassment:**

BYU's policy against sexual harassment extends to students. If you encounter sexual harassment or gender-based discrimination, please talk to your instructor, contact the Equal Opportunity Office at 378-5895, or contact the Honor Code Office at 378-2847.

### **Students with Disabilities:**

BYU is committed to providing reasonable accommodation to qualified persons with disabilities. If you have any disability that may adversely affect your success in this course, please contact the Services for Students with Disabilities Office at 378-2767. Services deemed appropriate will be coordinated with the student and your instructor by that office.

### **Children in the Classroom:**

The serious study of the physical and mathematical sciences requires uninterrupted concentration and focus in the classroom. Having small children in class is often a distraction that degrades the educational experience for the entire class. Please make other arrangements for child care rather than bringing children to class with you. If there are extenuating circumstances, please talk with your instructor in advance.

### **Letters of Recommendation:**

I have found it necessary to limit my writing of letters of recommendation to only those students who have worked closely with me (TAs, Graders, etc).