Physics 106 Summer 2012

Instructor: Professor Magleby

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Office Hours: MWF 2-3 pm, N311 ESC
Office Phone: 422-7056 or 422-8319

TA: Kevin Kundis

kk_skater2000@hotmail.com
Email Kevin with any reading quiz questions or CONNECT issues.

Course Website: http://www.physics.byu.edu/faculty/magleby/physics106.aspx

Textbook: The textbook we will be using is the 4th edition of College Physics, by Giambattista, Richardson and Richardson. Here are several options:

From the BYU Bookstore:
This is the hardbound, two-semester (Physics 105 and 106) tomb bundled with the homework program. Cost is about $230.

This buys you two semesters’ access to the e-book plus the online homework program. Cost is about $106.

Loose-leaf text and CONNECT ~ ISBN-13 9780078087240
Not hardbound, but you do have a book to keep and/or sell. Cost is about $185.

You will still need CONNECT access. Cost is about $118.

International version ~ ASIN: B000OG54NS
Students often opt to buy this, but I don’t recommend it. There tend to be more typos and unit problems. Cost is about $50 and you will still need CONNECT.
Just the CONNECT (homework access) ~ ISBN-13: 978-0077257651
If you have access to an old College Physics text by Serway or Walker, you can use that and buy just the access to the homework program. There are also textbooks chained to the tables in the TA lab. You will need to be careful to study the correct material because the chapter numbers won’t match those on the printed class schedule. You’ll find that the College Physics textbooks on the market are very much the same. Cost is about $50.

This is recommended if you like to see many examples of problems worked out completely, or if your algebra skills are rusty. Cost is about $75.

Final Grades:

- Grades will be determined by the following weights:

  Homework: 20%
  Exams: 25% each
  Reading Quizzes: 5%

- Grading will be curved. The average grade for the class will be at least a 2.8. There is enough historical data that I feel confident guaranteeing an A grade for a final score of 96% or above.

- Unprofessional behavior such as aggressive grade grubbing, poor sportsmanship, rude or unruly behavior is subject to a fine of up to one grade point.

Exams:

- There will be four closed book, closed note exams given this term. The lowest score will be dropped.

- You will be required to memorize most of the formulas and constants. A formula sheet containing all of the equations you are responsible for will be provided the first day of class.

- Exams may be taken early for university excused absences or with special permission from Professor Magleby (and sufficient notice). See your faculty advisor for the necessary form. An early exam is generally not the same exam taken by the rest of the class; it is usually quite a bit harder--.

- Exams may not be taken late for any reason. If there is some emergency that makes taking an exam impossible, CALL 801.422.8319 IMMEDIATELY and
leave a detailed message. I will get back to you as soon as possible and we will discuss how best to handle the situation.

- Heads up! Summer Testing Center hours can be unusual, especially around the two holidays in July. For example, it is only open from 10 am until 2 pm on Saturdays.

**Final exam:**

- The final exam is not cumulative. It will cover only the content from the Optics and Modern Physics portion of the course.

- The final exam will be held in the testing center during the 1½-day finals period.

**Homework:**

- Homework is submitted online with a program called CONNECT: [http://connect.mcgraw-hill.com/class/s_magleby_summer2012](http://connect.mcgraw-hill.com/class/s_magleby_summer2012). Registration information is packaged with your textbook or can be bought separately. (See textbook information.) More information will be given about CONNECT the first day of class.

- Assignments are due at noon on Mondays. See schedule for more details.

- Late homework will not be accepted. We have made homework due once a week in an effort to give you as much time as possible. Spring term moves fast.

- Bonus “Life is Messy” (LIM) homework points worth the equivalent of the average homework assignment 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 the technical difficulties associated with computerized homework. They can also be a sort of emergency fund to be used in case of sickness, flat tires, roommate, spouse or child issues, etc. You can use them to skip a whole homework assignment or to recover some points for missed, unfinished, late, miskeyed, forgotten or misunderstood homework problems along the way.

- Any requests for individual homework adjustments, extensions or exceptions will be considered, but please note that in exchange for individual consideration, you will be required to waive your right to LIM points. Think carefully before requesting special treatment.
• The maximum overall homework score is 100%, for 20/100 total grade points. Homework scores will not be allowed to go over 100% even if there are unused LIM points.

Reading Quizzes:

• There are two parts to the reading quizzes:
  
  ⇒ An individual, on-your-honor reporting of your completion of the reading assignment, worth one point.
  ⇒ Extra questions, activities, games and simulations designed to introduce you to the topic of the day and to supplement your reading, worth one point. To claim this second point you must spend at least 15 minutes with the supplemental materials, or work with it until you have completed all of the questions and activities.

• Reading quizzes must be completed by the beginning of class. This means that you must have completed the quiz on-line and pushed “submit” before noon. At noon, the quiz locks out.

• Reading quizzes are worth 5% of your final grade.

• For problems with the reading quizzes, contact TA Kevin Kundis at kk_skater2000@hotmail.com

Reading Assignments:

• Reading assignments are shown on the course schedule and are based on the 4th edition of the Giambattista textbook. Other editions may vary slightly.

• You are welcome to use another text, such as College Physics by Serway, Faughn, and Vuille, as long as you have the CONNECT access and are willing to figure out which Serway chapters match with each assigned Giambattista chapter. There are a few notational differences that I will point out in class.

In-Class Clicker Quizzes:

• Participation clicker quizzes will be given during the course of each lecture.

• Clicker quizzes are worth up to 1% overall extra credit.

• Clickers can be purchased at the bookstore and must be registered on the class website: http://www.physics.byu.edu/faculty/magleby/physics106.aspx.
Because clicker quizzes are purely extra credit, you are solely responsible for making sure that you are registered correctly, that your I-clicker is working, that the batteries are charged, etc. Clicker quizzes may not be made up at a later date.

**Tutorial Lab:**

- The tutorial lab for Physics 106 is located in the north wing of the second floor of the Eyring Science Center, room N304. (Directly above our classroom.) Hours and TA schedules can be found through the link on the class website.

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**Honor Code Standards:** Remember that you have promised to uphold the principles of the honor code. This means honest in your academic work. Cheating will result in a failing grade from me, and possible 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.)