Instructor: Dr. Armin Kargol  
Office: MO 460, Research Lab: MO 155  
Phone: 865-3645  
e-mail: akargol@loyno.edu  
Time and place: MWF 10:30-11:20, MO 157  
Office hours: MWF 9:30-10:20 or by appointment  

Course information and policies:

- **Course overview:** This is an introductory physics class. It is intended for students in life sciences, including biology, psychology, and all pre-health. The course covers a standard physics curriculum (mechanics, waves and sounds, thermodynamics in the first semester; electricity and magnetism, electromagnetic waves, optics and modern physics – in the second) but emphasizes biological significance and applications of the physical concepts.

- **Tentative list of topics:** Forces and motion, Energy and Momentum, Rotational motion, Oscillations and Waves, Thermodynamics. Not all topics in every chapter will be covered and changes to this list may be made as the course progresses.

- **Grading:** Your grade will be determined by the number of points earned throughout the semester:
  - 90% and up – A;
  - 85-89.9% – B+;
  - 80-84.9% – B;
  - 75-79.9% – C+;
  - 70-74.9% – C;
  - 65-69.9% – D+;
  - 60-64.9% – D;
  - 59.9% and below – F.

You can earn points in different ways:

- Final exam – 60 pts. The final will be held as scheduled in the academic calendar. Consult the Loyola webpage for details.
- Midterm exams – 30 pts each. There will be two midterm exams. Tentative dates are Oct. 1 and Nov. 5, and will be confirmed at least a week in advance. Both are required.
- Homework – 30 pts
- Online quizzes – 25 pts
- In-class quizzes – 25 pts.

**The maximum total number of points is 200.** Opportunities for bonus credit might arise throughout the semester, but are not guaranteed.
I encourage you to discuss your progress with me early in the semester if you have any concerns. DO NOT WAIT TILL THE END OF THE SEMESTER. I will not be sympathetic then, will not review all your tests, homework etc., and will not give you “extra work for extra credit”. As a rule you have a week to discuss with me any graded work. After that the score becomes final and will not be changed.

**Note:** I will make an effort to keep you informed of your scores through Blackboard but these scores are not the official record and are for your information only. Blackboard offers only limited possibilities for manipulating scores (like dropping the lowest quiz score etc.) hence I can’t control how the total is computed. I will post current running HW and in-class quiz totals, and exams scores. The online quiz scores are created automatically.

- **Exams:** Midterm exam 2 will focus on topics covered since midterm 1. However, the topics cannot be entirely separated and you might need to use some concepts discussed before midterm 1. The final exam is cumulative. All exams are required. Make-ups for midterms will be offered in extraordinary circumstances and only if convincing evidence why you missed the regular exam is presented. If you miss a midterm for reasons other than a true emergency, you will receive zero for that exam. **The final test is required** and you will not pass a course without taking it.

- **Online quizzes:** There will be 6 online quizzes administered through Blackboard (5 pts each, one lowest score will be dropped). The exact dates will be announced in class and on Blackboard a week in advance. All quizzes will be available online between Wed at noon and Thu at noon. You will need to start and end the quiz within that time. Once started, you will have one hour to complete the quiz. No make-ups will be allowed under any circumstances. Online quizzes are to be taken by students individually without consultation with any other person. If you encounter technical difficulties you are to contact me immediately by e-mail.

- **Homework:** You will be given 6 homework sets throughout the semester (5 pts each). You will have one week to complete and submit the homework. It will be due at 3 pm on the due date (if you forget to bring it to class you will still have time to run to your dorm and get it). Any homework submitted after that will automatically receive a 50% deduction. No homework will be accepted more than 1 week late. The homework will consist of computational problems, the number of which will vary from set to set. I will check that you attempted all problems and grade one, randomly selected, problem from each set (the same problem for every student). It is OK to work on the homework with a partner or in a group, but every student must submit his/her own solutions.

- **In-class quizzes:** These include pop-quizzes, group work, end-of-the-class quizzes and others. None of these will be announced in advance. Some will include “conceptual questions” that ask you to explain everyday natural phenomena in terms of physical concepts just discussed.
• **Bonus:** I reserve the right to award up to 5 pts extra for participation in class.

• **Attendance policy:** I do not have any attendance policy, except for the exams. However, your attendance is important. There will be many opportunities to earn points in class and if you are not there, you simply pass up on those opportunities. All in-class quizzes will be unannounced, their point value will vary and there will be no make-ups for any of them. In other words: you miss a class, you may loose points.

• **Lab:** There is an additional 1-credit lab component associated with this course. However, you need to register for that separately. You may have a different professor and you will be graded separately for the lab course.

• **Blackboard:** There is a website for this course that can be accessed through [http://blackboard.loyno.edu](http://blackboard.loyno.edu). If you have trouble logging in please go to the Reference Desk in the Monroe Library. I will post course materials, information, announcements and reminders, as well as current scores on Blackboard so please visit it regularly. In addition, you will use Blackboard to take online quizzes.

• **Special needs:** A student with a disability that qualifies for accommodations should contact Sarah Mead Smith, Director of Disability Services at 865-2990 (Academic Resource Center, MO 405). A student wishing to receive test accommodations (e.g., extended test time) should provide the instructor with an official Accommodation Form from Disability Services in advance of the scheduled test date.

**Welcome to the class!**