



Sharp EL-531. The use of calculator graphing, algebra-solving, or programming functions will *not* be permitted for any exam, nor will PDAs, cellphones, etc.

## Online Course Resources

- The course site on eLC will be used to disseminate course information: announcements, exam solutions, practice problems, etc., including grade information.

Online assignments are an essential part of the course. You will access them with an account on the LON-CAPA system at <http://spock.physast.uga.edu/>.

## Other Student Resources

- If you cannot come to my regular office hours, or need additional help, please set up an appointment (by email, by phone, or in person) to see me outside of class.
- There is a Student Study Guide with Selected Solutions for this textbook that may be useful, although students have given this guide mixed reviews. Information on this and other resources is provided in your textbook.
- Tutors are available either through the [UGA Tutoring Program](#) at Milledge Hall, or directly through the Department of Physics and Astronomy.

## Labs Sessions

For information about the lab section for this course, please consult the lab syllabus available at <http://www.physast.uga.edu/courses>. Labs will start in the week of January 14.

## Grading Policy and Assignments

Your overall grade will be determined from your course performance, weighted as follows:

- 80% Best of 4 in-class exams and the final, each counting 20%)
- 15% Laboratory grade
- 5% Homework grade

Letter grades will be assigned from your overall numerical grade according to the following:

**A** 90.0 **A-** 88.0 **B+** 85.0 **B** 80.0 **B-** 78.0 **C+** 75.0 **C** 70.0 **C-** 68.0 **D** 60.0 **F**

Overall numerical grades will *not* be rounded (i.e., 89.9 is still an A-).

Any requests for a regrade of an assignment or an exam must be made no later than one week after the item is returned. For a regrade I will look at the entire assignment/exam, not just one problem, and this may raise *or* lower your score. Regrade requests (including those for online homework) should be accompanied by all your work.

## Exams

There will be 4 in-class exams and the final exam. All exams will be closed-book and closed-notes. You may use a simple scientific calculator that is *non-programmable, non-graphing, and non-symbolic*. (Calculators such as the TI-83 or TI-84 are *not allowed*.) I'll provide you with a formula sheet for each exam. The purpose of the formula sheet is to focus your studying on understanding rather than memorization. If you feel you need an equation that's not on the sheet, don't memorize it; learn how to derive it from the equations that *are* given.

Exams will comprise both conceptual and problem-solving questions, very similar to homework, practice problems, and in-class examples. Unless told otherwise, you must show your work on each problem in order to receive full credit. Partial credit is awarded (based on your work) for incomplete or incorrect answers, so it is usually in your best interest to attempt every problem. Detailed solutions will be posted to the Web after each in-class exam.

Exams are designed to test your understanding thoroughly and to distinguish among levels of performance. In order for exams to be effective assessments, raw scores will often be lower than the expectations created by the "standard" letter grade cutoffs. These raw exam scores will be converted into "rescaled" numerical grades. This conversion is based partly on the distribution of raw scores, but also on the difficulty level of the exam. A rescaled numerical grade will *never* be lower than your raw score. Also, unlike a typical curve, you are *not competing* against your peers; it is possible for everyone to get an A or B, for example.

*There will be no make-up exams.* Due to the grading policy, you can miss one of the four in-class exams. This policy is designed to handle unavoidable situations like medical or family emergencies, or previously scheduled academic or athletic events, and you should

avoid missing a test at all costs: missing more than one test will result in a numerical grade of 0 in one of the 4 exams used to calculate your final grade.

If you miss more than one exam due to prolonged illness, an incomplete could be assigned provided proper documentation.

## Homework

Regular, personal practice with physics problems is essential to understanding physics, so you will have weekly homework assignments. The assignments will generally be due every Monday, although class pacing and scheduling may necessitate different due dates, which will be announced in class. Assignments will be posted online, and most problems will require you to submit your answers on the Web. However, some assignments may also have a handwritten component, which you should hand in to me directly or put into my mailbox in the main office, Room 201. (*Do not* slide anything under my office door.) Detailed solutions will be posted to the Web after the homework is due.

Each assignment will be weighted equally. Responses will be graded for correctness, although for some problems incorrect responses may earn partial credit for the effort. Problems that are to be handed in on paper must show all work legibly in order to receive credit.

Teamwork can be a very effective way to learn, so I encourage you to collaborate with your classmates on homework problems. That is in fact a goal of the optional weekly recitation sessions. However, don't mistake teamwork for plagiarism; *your solutions must be your own*. Copying or paraphrasing from someone else's work, or from any source of homework solutions, is a violation of academic honesty policies.

Since you can't collaborate on exams, homework is your best opportunity to develop your own problem-solving skills.

## Reading

You are required to read the assigned textbook sections *before* the class in which those topics are discussed.

Regular reading is an important part of your preparation for class. Don't expect to understand everything in the textbook at first sight! However, your learning effectiveness *in* class will depend on having encountered the material *prior* to class. You should jot down notes and questions as you read; this will aid in organizing your class notes and will remind you to ask for clarification.

## Extra Credit

*There is no extra credit* in this course.

## Academic Honesty

The University of Georgia has a comprehensive policy on academic honesty, described in a document entitled *A Culture of Honesty*. This document is available through the Office of the Vice President for Instruction or online at <http://www.uga.edu/ovpi/>. This policy covers all academic work.

As a UGA student, you are responsible for knowing and understanding this policy. If you have *any* question about the appropriateness of your actions or your work, you are obligated to ask me for clarification.

I take the issue of academic honesty very seriously, and it is my responsibility to uphold the University's policy. This means, among other things, that I won't hesitate to report my suspicions of dishonesty to the Office of the Vice President for Instruction. Typical consequences of cheating on homework or an exam range from receiving a zero for that grade, to failing the course.

## Student Responsibilities

- Above all, you have the right to expect courtesy from your fellow students, and the same will be asked of you. Courtesy includes the expectation that everyone will come to class ready and willing to learn and to interact, and able to ask or answer questions freely. Courtesy also implies that you arrive on time and stay until the end of class. Disruptions or distracting behavior will not be tolerated. The use of cell phones and laptops during class is not permitted. If you rather text or browse the web than listening to the lecture and interact in the classroom, please stay home.
- You're responsible for all topics discussed in class, all class announcements, and all assigned textbook reading (even if some sections aren't explicitly covered in class). Absence does not excuse you from this responsibility. While attendance is not strictly mandatory, your understanding of physics (and your grade) will suffer if you skip class. If your schedule makes it difficult to attend class regularly and on-time, you shouldn't take this course.
- You are responsible for the material covered in the assignments. I can't emphasize enough the importance of homework! Just as with other areas of learning, your physics problem-solving skills will improve only by practicing regularly and conscientiously. You won't get much learning value from homework if you leave it for the last minute, or depend on the efforts of others.
- Attend your assigned lab section and follow the TAs' instructions. Refer to the lab syllabus for more information. If you have lab-related questions, please see Mr. Tom Barnello in Room 327.
- Ask for clarification on anything you find unclear, ambiguous, or unspecified. This includes both course policies and physics topics. Ignorance is never a valid excuse.
- Know the policies concerning withdrawals and incompletes, published in the UGA Student Affairs website

<https://reg.uga.edu/general-information/policies/withdrawals/>.

For withdrawals before the midpoint, you will receive a grade of W.

Students withdrawing from their classes after the withdrawal deadline of a semester may only receive a grade of W if they have an approved *Hardship*

*Withdrawal*. <https://honesty.uga.edu/Student-Appeals/Hardship-Withdrawals/>.

## Lecture Schedule

- The lecture and exam schedule shown on the next page is approximate and subject to modification, *including exam dates*.

Class	Date	Topic	
1	W 09 Jan		Course Intro
2	F 11 Jan	Concepts of Motion	
3	M 14 Jan	1D dynamics	
4	W 16 Jan		
5	F 18 Jan		
6	W 23 Jan	Vectors	
7	F 25 Jan		
8	M 28 Jan	2D Kinematics	
9	W 30 Jan		
10	F 01 Feb		
11	M 04 Feb		
12	W 06 Feb		
13	F 08 Feb		
14	M 11 Feb	Newton's Laws	Kinematics
15	W 13 Feb	Test 1	
16	F 15 Feb		
17	M 18 Feb		
18	W 20 Feb		
19	F 22 Febr		
20	M 25 Feb	Work and Energy	Newton's Laws
21	W 27 Feb	Test 2	
22	F 01 Mar		
22	M 04 Mar	Kinetic Gas Theory	
23	W 06 Mar		
24	F 08 Mar		
25	M 18 Mar	Linear Momentum	
26	W 20 Mar		
27	F 22 Mar		
28	M 25 Mar	Test 3 Rotational Kinematics and Dynamics	Work, Energy, Kinetic Gas Theory
29	W 27 Mar		
30	F 29 Mar		
31	M 01 Apr		
32	W 03 Apr		
33	F 05 Apr		
34	M 08 Apr	Gravity	
35	W 10 Apr		
36	F 12 Apr		
37	M 15 Apr	Oscillations	
38	W 17 Apr		
39	F 19 Apr		
40	M 22 Apr	Test 4	Rot. Dynamics, Gravity
41	W 24 Apr		
42	F 26 Apr		
43	M 29 Apr		Review