

SYLLABUS Physics 114, Spring 2008

Last updated January 22, 2008

	Instructor	Office	Phone	Email
Lecture:	Prof. Regina Demina	B&L 367	275-7357	regina@pas.rochester.edu
Office hours:	Tue. 4:30 - 5:30 pm			

- **Individual Help:** Any student who wishes individual help is urged to see one of the TAs or your instructor during office hours, or at other times by appointment.
- **Textbook:** "Physics for Scientists and Engineers" Volume II (*Third Edition*) by Douglas C. Giancoli.
- **Web site:** <http://www.pas.rochester.edu/~regina/P114>
 - Course schedule and lecture notes available after the class;
 - Homework assignments available at least one week before due date;
 - Homework numeric answers before due date and solutions after due date;
 - Equation sheet before the test and test solutions after the test.
- **Workshops** provide a way to work in small groups with your peers in a forum where you can get instant feedback and help from your workshop leader (a teaching assistant or teaching intern for the course). At each two hour weekly workshop session, you will be presented with a number of conceptual and traditional problems, similar to the ones in your homework assignment and in the tests. Workshops will cover material through the *Wednesday lecture* of the week of the workshop. Participation in workshops will count 5% of your final grade. The actual workshop grade will be assigned by your workshop leader, but you must participate (not just attend) in at least 10 of the workshops to get full credit. Workshops start on week of 01/21. Workshop schedule and sign up can be found at: <https://spider.pas.rochester.edu/signup/PHY-114-S08/>
- **Homework** problems and discussion questions should be written out before the workshop class each week. At the start of the workshop class, TA will collect the homework. Only one selected problem or discussion question will be graded. Graded homework will count 5% of your final grade. Collective work on homework assignment is permitted, and even encouraged. In the case of cooperation a simple written acknowledgement must be made, e.g. "I worked with Jackie Brown on problem #21-2", or "I received help from my workshop TA on problem #16-3". No points will be taken off for this.
- **Grading of homework problems:**
See "*How to do homework problems*". To get full credit (10 points), you must state what you are looking for, indicate a strategy, and show clearly how your answer (with units) was obtained. Partial credit is available. This is a rough, typical grading guide:



- Just writing down a numerical answer 0 points
 - Stating clearly what you are looking for, with units 2-3 points
 - Made a good try, but went off the track 4-6 points
 - Got stuck, but asked an insightful question 5-7 points
 - Solution basically OK, but motivation missing, units wrong or missing, ... 7-9 points
- **Exams:** There will be three one-hour exams during the semester. Only two best will count towards your final grade. *One-hour exams will be given in lecture classes on Thursdays shown in the schedule.* Midterm tests will add up to 40% of your grade. *The final exam will be given on Saturday, May 7th, time will be decided,* it will be two hours long. Final test constitutes 40% of your final grade. Exam problems will be similar (but not identical) to homework problems.

No notes or equation sheets may be brought to exams. However, a sheet of useful equations will be provided at the time of the exam. An advance copy of this sheet will also be made available through the web before the exam so you can see what equations are important. You are allowed to bring a calculator, a pencil and a ruler to the exams.

- **Laboratory** is a required and integrated part of the course. A passing grade in laboratory is required to pass the course. Labs start the week of 1/28 for group A or 2/4 for group B. Lab grade is 10% of the final grade. You must be registered for labs. Lab manuals contain short homework assignments for lab class (even for the 1st one), which you must complete to be allowed to do the lab. Manuals and sign up can be found at: <http://web.pas.rochester.edu/~physlabs/> Questions and suggestions should go to physlabs@pas.rochester.edu
- **PHY114 Grading:** Here is the basis for determining grades.

Distribution of total points:

Workshops	5%
Homework	5%
Two/three 1-Hour Exams	40%
Final Exam	40%
Laboratory:	<u>10%</u>
Total:	100%

Determination of final grade:

90% or above:	A	88% - 89.9%:	A-	85% - 87.9%:	B+
80% - 84.9%:	B	78% - 79.9%:	B-	75- 77.9%:	C+
70% - 74.9%:	C	68% - 69.9%:	C-	65% - 67.9%:	D+
60% - 64.9%:	D	Less than 60%:	F		

- **Students with Disabilities:** If you have any condition such as a physical or learning disability which will make it difficult for you to carry out the work as outlined here, or

which will require academic accommodations, please notify the lecturer and contact the *Learning Assistance Services* during the first two weeks of the course:

Linda Jennings 275-9049
107 Lattimore Hall, linj@mail.rochester.edu 275-9048 TDD

- ***Academic Honesty Policy:*** Plagiarism and cheating are serious offenses and may be punished by failure on the exam, paper or project; failure in the course; and/or expulsion from the university. You are encouraged to cooperate with other students, or to seek help from TA/TT's, in doing your homework assignments. It is important though to acknowledge help in a small written statement. During the tests no outside material or coping is allowed. Suspected violations of the College policy on academic honesty, including but not limited to those above, will usually be referred to the College Board on Academic Honesty. If the Board rules that a violation of the policies has occurred, the possible remedies may involve a grading change. More on ACADEMIC HONESTY POLICY can found at <http://server-mac.pas.rochester.edu/honesty/honesty.html>