

Instructor: Dr. Gary Pennington
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Office Hours: MW 8-9 pm, F 7-8 pm, or by appointment

Schedule :

Lectures :	M, Tu, W, Th, F	5:30 – 6:50 pm	Room 1201	PHY
Recitations:	M, W	7:00 – 8:00 pm	Room 1201	PHY
Lab:	Tu, Th	7:00 – 9:00 pm	Room 3306	PHY

Course Description: This is the first semester of a two-semester sequence in introductory physics. The subjects covered this semester will be mechanics, energy, and heat. This is a non-calculus sequence, but it does make extensive use of algebra, trigonometry, and elementary geometry. Prerequisite for the class is: previous work in trigonometry, MATH 112, or MATH 115.

Required Materials

- Textbook: *College Physics, Vol. 1, 2nd Edition, by R.D.Knight*
- Mastering Physics access code (comes with a new book, or you can purchase separately from the bookstore or www.masteringphysics.com). CourseID: MPPENNINGTON33943
- Clicker (response card RF LCD)
- Physics 121 Laboratory Manual, UMCP (Wellstood)

Exams: There will be four exams during the semester, which occur during a regular discussion or lecture class. The final exam is cumulative. The preliminary schedule (subject to change) is as follows:

Thursday, May 7th	5:30 – 6:50 pm (Midterm 1)
Tuesday, May 19th	5:30 – 6:50 pm (Midterm 2)
Tuesday, June 3rd	5:30 – 6:50 pm (Midterm 3)
Friday, June 6th	5:30 – 6:50 pm (Final)

Makeup exams will only be given for those with a valid documented excuse. If you know ahead of time that you will miss an exam you must notify me before the exam. If you miss an exam due to an emergency let me know as soon as you can, by any means possible.

Homework: Regular homework is assigned to try to insure that you are keeping up with the course material and to act as a measure of your understanding of the material. If you are having difficulty with the homework this is a sure sign that you should seek some assistance. Students are encouraged to work together on homework but **each person must submit their own homework and numeric answers will in general not be the same for each student.** Details on the academic honesty policy can be found at www.testudo.umd.edu/soc/dishonesty.html.

We will be using *Mastering Physics* to **assign and grade** the homework problems on the web. In order to do well on the exams and quizzes, solutions to the homework problems should also be written out. You should be able to explain each step of your solution in English using logic and reasoning. The online homework *may* also be supplemented with one or two hand written problems to be turned in during the lecture. This will be announced in the lecture and on the elms website. The following tentative homework guidelines will apply.

Approximately 10-20 problems will be posted at the website at least one week before the due date. Check the course syllabus and Elms announcements for the due dates. Work those problems to completion and submit the answers on the web. You will be informed immediately if your answer is correct or incorrect and will be allowed multiple attempts. All homework problems should be hand written out for your records. Late homework will not be accepted.

Electronic homework submission: To turn in your homework, you need to go to:

<http://www.masteringphysics.com/>

The site is best accessed with a current version of Windows Explorer. If you run into problems check the system requirements. If you have not used Mastering Physics before then you should log on to the site and try the practice homework set before attempting any of the real homework sets.

In order to turn in your homework, you will need to register at the Mastering Physics website <http://www.masteringphysics.com/>. To register, you need two things - an access number and the class ID **MPPENNINGTON33943**. The access number should be packaged with new copies of the Knight textbook. If you want to buy a used book, make sure you purchase an access code at the Mastering Physics website.

Laboratories: See the P121 lab manual and the syllabus schedule describing the laboratory dates and grading.

Discussions: Recitations meet twice a week for the purpose of discussing homework problems, reviewing important concepts from the lectures, and administering quizzes. Typically there will be a quiz based on a specific textbook chapter as specified in the syllabus schedule. The quiz will emphasize hand written solutions and explanations of physical concepts.

Clicker In-Class Questions: You are required to obtain and register an electronic clicker and bring it to each lecture class. I will post instructions for the clicker usage on Elms.

Help: Help in understanding the concepts and solving problems can be obtained in a variety of ways. If you have a question or any difficulty, take advantage of all the available resources. These include:

1. Discussions with me before or after class, or in my office
2. Your recitation section, which is designed for just this activity
3. The Slawsky Clinic.

Bulletin Board and Email: Please check Blackboard every class day, to log in go to www.elms.umd.edu. I will communicate important information there or post solutions. I will also use email extensively. When sending an email please begin subject line with "PHYS121."

Grade: Your grade will be based on the following components:

Three Midterm Exams (9% each)	27%
Final Exam	20%
Homework	16%
Quizzes	7%
Clicker Questions	5%
Laboratories	25% (if all labs completed, F otherwise)

All grades are subject to "curving" and there is no set correspondence between numbers and letters. **In general, a letter grade is only associated with the final course grade**, but I can provide you an estimate of how I think you are doing, if requested.

Preliminary schedule (as of May 15, 2012)

	Tu 5/29 Lec: CH 1 Lab 2	W 5/30 Lec: CH 2 Dis: <u>Quiz1</u> CH1	Th 5/31 Lec: CH 2,3 Lab 4 HW Intro to MP due 11pm	F 6/1 Lec: CH 3 HW1 due 11pm
M 6/4 Lec: CH4 Dis: <u>Quiz2</u> CH2 HW2 due 11pm	Tu 6/5 Lec: CH 4,5 Lab 3	W 6/6 Lec: CH 5 Dis: <u>Quiz3</u> CH3	Th 6/7 Lec: <u>Exam I CH 1,2,3</u> Lab 5	F 6/8 Lec: CH 5,6 HW3 due 11pm
M 6/11 Lec: CH 6 Dis: <u>Quiz4</u> CH4 HW4 due 11pm	Tu 6/12 Lec: CH 6 Make-up Lab	W 6/13 Lec: CH 7 Dis: <u>Quiz5</u> CH5	Th 6/14 Lec: CH 7 Lab 7	F 6/15 Lec: CH 8 HW5 due 11pm
M 6/18 Lec: CH 8 Dis: <u>Quiz6</u> CH6 HW6 due 11pm	Tu 6/19 Lec: <u>Exam II CH 4,5,6,7</u> Lab 8	W 6/20 Lec: CH 9 Dis: <u>Quiz7</u> CH7	Th 6/21 Lec: CH 9 Lab 6	F 6/22 Lec: CH 10 HW7 due 11pm
M 6/25 Lec: CH 10 Dis: <u>Quiz8</u> CH8 HW8 due 11pm	Tu 6/26 Lec: CH 9 Lab 9	W 6/27 Lec: CH 11 Dis: <u>Quiz9</u> CH9	Th 6/28 Lec: CH 12 Lab 10 HW9 due 11pm	F 6/29 Lec: CH 12
M 7/2 Lec: CH 13 Dis: <u>Quiz10</u> CH8 HW10 due 11pm	Tu 7/3 Lec: <u>Exam III CH 8,9,10,11</u> Make-up Lab HW11 due 11pm	W 7/4 No Classes	Th 7/5 Lec: Review No Lab	F 7/6 Lec: <u>Final Exam CH 1-13</u>