

Studio

PHYS 213: Engineering Physics 1

Spring 2010

Instructors and Office Hours:

Each studio will have a lead instructor and a teaching assistant. They will supply you with their office hours. Their office hours will also be posted on K-State online as soon as they're determined.

Text:

The Studio Manual will be posted online on the studio's K-State online page.

Studio grade allocation:

Lab book	200
Homework	150
Quizzes	50
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	400

• Lab book

- You must bring a 5×5 quad-ruled lab notebook to the first studio. These are available at the Union or Varney's. Do *not* get a spiral-bound version. You will record the results of the experiments done in studio in these books, and these write-ups will be graded to give your Lab book score. Proper lab book etiquette and write-up format will be discussed by your studio instructors. You can also read about these in the Studio Manual.
- There will be roughly 28 studios this semester, and you will typically do 2–3 lab activities each studio. One of these activities will be selected each studio to be graded. The lowest 3 scores will be dropped, and there will be no make-up studios. The activity write-ups will be scored on a three-point scale, roughly translated as follows:

Included all parts, no more than minor mistakes	3 pts
Missing one or more parts or more serious mistake	2 pts
Wrote something down	1 pt
Blank pages	0 pts

- You may not take your lab book home!

• Homework

- Your homework will be due 2 hours before your studio starts.
- With WebAssign, you have the chance to resubmit an answer if you got it wrong. In fact, you can resubmit it up to 3 times (4 chances total). BUT, with each resubmission, you will lose 25% of the points for that answer. For example, if a particular answer is worth 1 pt, then you will get 1 pt if your answer is correct the first try. If not, and you get it correct on the second try, then you will get 0.75 pts; on the third try, 0.5 pts; and on the fourth try, 0.25 pts.
- You have the option of requesting an extension of the due date time for your homework. You might use this, for instance, if there was a problem that you didn't quite get before studio, but the discussion in

studio helped you understand it enough to solve it. After studio, you can go back to WebAssign, open the assignment and request an automatic extension using the extension request button. If your request is within 6 hours of the end of studio, then it will be automatically granted. You will then have 2 more hours to attempt the problems you did not answer correctly before studio. Note that you get only 4 tries total for a given answer, including the extension. So, for the extension to be useful, you must still have at least one of your 4 tries left for that answer (resubmission score penalties still apply). Note that there is an additional score penalty for using the extension — you can earn only 70% of the points for parts left unanswered at the first due date time. For example, let's assume an answer is worth 1 pt. Your first try before studio was wrong. You tried it one more time before studio, but again got it wrong. This resubmission reduced the value of this answer to a maximum of 0.5 pts. You decided that you wanted to ask about it in studio, so didn't try again. After studio, you requested an extension, and you got the answer right on the next try (which is your third). You would thus earn $0.5 \times 0.7 = 0.35$ pts. Using the extension can only increase your grade.

- Even though the homework grading through WebAssign takes into account only your final answer, you should always write out your solution on paper carefully. You should draw all diagrams, show all the steps, etc — just as your instructors always do these steps. Doing so will give you the practice you need to be able to solve the exams and the quizzes in studio (which will be graded by hand and will *not* be based on only the final answer). These written solutions will also give you something to look at during the problem discussions in studio. So, you should always take your written homework solutions to studio.
- The homework assignments will be worth 10 pts each, and the lowest three scores will be dropped.

- **Quizzes** To give you feedback on your written solutions, there will be a short quiz at the beginning of each studio. It will consist of one problem selected from the homework by the studio instructor, using numbers selected by the instructor. It will be graded on the same three-point scale as described above for the lab book, and the lowest three scores will be dropped.