

Welcome to SCEN101

Physics for Poets



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Office Hours:

Monday 7:25-8:15am

Friday 5:00-6:00pm





Welcome to SCEN101 Physics for Poets. I hope you had a great break. I know I did – I'm sorry the first day of class is here already. I don't know why the President insists on the breaks being so short.



I was expecting more students to show up today – this happens every term -- so I will probably repeat some of this next class. Heh, but at least you showed up! If you don't have any questions, we can adjourn early.



You might be interested to know that I spent a couple of days at a teaching workshop instead of leaving for my June break at the usual time. To make up for it I just got back yesterday. As a result I haven't really finished the syllabus yet for the course, but I'll probably be able to finish it up this weekend. Or Wednesday by the latest. Well definitely before the end of the free registration period...



I had planned on at least showing you what I had finished so far by pulling up the course website. But I cannot get the #&%! projector to work this morning. Anyways you can find the course website if you poke around the physics department site.

That reminds me, I was going to try the course management thing that everybody is using, but I heard they are using a new version, so I decided to forget about it until next quarter.



Back to the workshop -- I learned a lot of new things that I would like to try this term for the first time, esp. problem-based learning. I'm an experimental physicist and I like experiments, so I think it will be great if we experiment with the course this year. I've taught this course every semester for the past thirteen years and I am ready for a change. I'm not sure why I keep getting this assignment – I wish I could teach something a little more challenging.



Now, problem-based learning is all about group work. If the group format doesn't work or it looks like too much work for me, then we can drop it after a few weeks. Also if it looks like we are not getting through the material fast enough then you can do most of group work outside of class. Either way I expect that this course is going to be your most demanding course of the year. I hope you are ready to work; if not, you know what to do.



Personally, I hated working in groups in college. To be completely honest, I still hate working in groups. My colleagues are prickly and make my life difficult, esp. the professor who teaches the next course in this sequence. But working in groups is very important for you since that's the way it is in the real world - at least that's what I've been told since I've always worked at the college and never in the real world.



Grading in the class is mostly individual scoring, but I'm thinking that group grading may count for 20% of the final grade, but I might bump that up to 30 or 35% if this group stuff works. But in any case, there definitely will not be more than 10% A's – I'm just not flexible on that. Any questions?



Now, an exercise:

1. Individually, identify five “fatal” flaws incorporated in this introduction on the first day of class.
2. In pairs or small groups, select three “most significant”.
3. Finally, prepare to report out one choice.



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- 1. I have a lack of enthusiasm for teaching.**
 - 2. I am discontented with the university administration.**
 - 3. We all know that the first class is not critical.**
 - 4. I acknowledge a lack of preparation for class.**
 - 5. Summer is vacation time for the faculty.**



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- 5. The syllabus is not that important.**
 - 6. Deadlines are not important either.**
 - 7. This is an experiment and students are the guinea pigs.**
 - 8. I have a lack of enthusiasm for this course in particular.**
 - 9. I am also unhappy with the departmental administration.**



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- 11. This course and students taking it are not important to me.**
 - 12. It's mostly the group work that is new and suspect.**
 - 13. Failure is an option.**
 - 14. The faculty does not like to work.**
 - 15. Coverage/progress through the material must be maintained.**



16. More work outside of class is likely.

17. This course is tough; get out before it's too late.

18. I am uncomfortable working with groups.

19. I do not relate to the world of the students (and parents).

20. The grading scheme can change at anytime.

21. Note: I did not list anything re: technology.