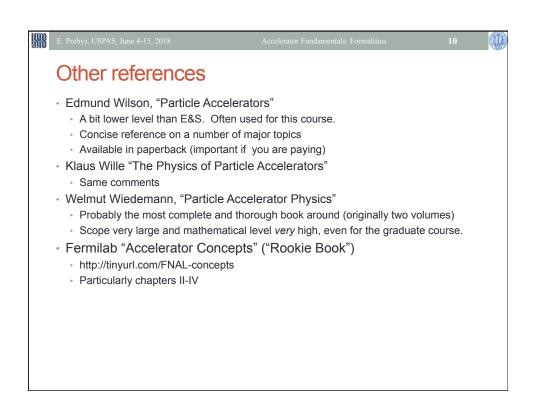
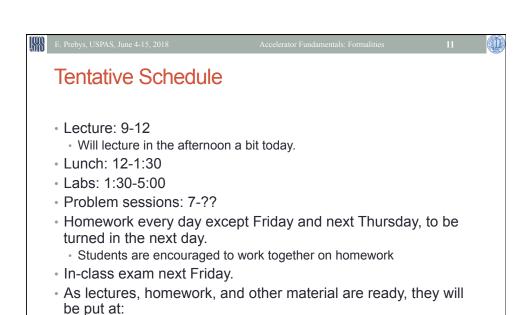


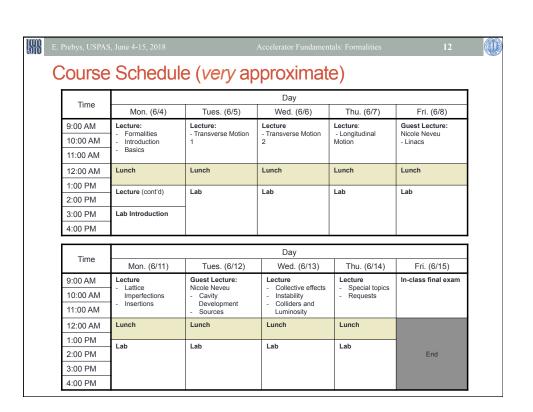


- I chose Edwards and Syphers "An Introduction to the
- I chose Edwards and Syphers "An Introduction to the Physics or High Energy Accelerators" as the primary course text because
 - · It's the book I learned from
 - I find the mathematical level appropriate to a broad range of students.
 - It was written by Fermilab people, so it uses conventions that I'm familiar with.
 - It's the same book I use for the graduate course, but we'll cover much less of it, and at a less rigorous level.
 - I won't stick to the order of the book. In particular, like most people who use it, I'll switch the order of Chapter 2 (longitudinal motion) and 3 (transverse motion)





http://home.fnal.gov/~prebys/misc/uspas 2018/



E. Prebys, USPAS, June 4-

Accelerator Fundamentals: Formalities

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Lecture Style

- All the details of my lectures will be in my PowerPoint slides, which I will copy and hand out (they'll also be available online).
 - There will probably be some mistakes in the slides, which I'll correct in the online version if and when we catch them.
- I will often write on the board simply as a way to pace myself (otherwise, I find I go way too fast). Sometimes this will involve simply copying what's on the slides.
- I'll also work through a lot of problems and examples that aren't in the slides, so that's where you'll want to take notes. I'll copy and distribute any I think are particularly valuable, but don't count on it.
- I used to think that if people didn't ask questions, it's because they understood everything I was saying. Now I know the opposite is true, so if I don't get any questions, I'll keep slowing down until I do.