

Physics 103 Fall 2007 Syllabus (Draft 3) Page 1

Week	READING	Tue	Wed	Thu	Fri	Sat	Sun	Mon
0	9/17/2007 First Day of Classes LABS START!							INTRO
1	9/18/2007- 9/24/2007 Knight Chapters 1-3 & Section 6.4 Kinematics, vectors, Gallilean $v \rightarrow v'$	LECTURE	Precept Webassign 1a		Precept In-class PS			Precept Webassign 1b
2	9/25/2007-10/1/2007 Knight Chapters 4, 5, 6 & 8 Dynamics (1d + 2d) , F= ma, projectiles	LECTURE	Precept Webassign 2a		Precept In-class PS			Precept Webassign 2b
3	10/2/2007-10/8/2007 Knight Chapter 7 Circular Motion, Review	LECTURE	Precept Webassign 3a		Precept In-class PS			Precept Webassign 3b
4	10/9/2007-10/15/2007 Knight Ch. 9 & Sections 10.1, 10.2, 10.6 & Posted Notes Momentum, Center of Mass, Collsns	TEST 1 Kinematics & Dynamics	Precept Webassign 4a		Precept In-class PS			Precept Webassign 4b
5	10/16/2007-10/22/2007 Knight Chapters 10 & 11 Energy, Work	LECTURE	Precept Webassign 5a		Precept In-class PS			Precept Webassign 5b
6	10/23/2007 – 10/28/2007 + Monday, 11/5/2007 E-Reserves (Feynman Ch. 13 & 14.) Conservative forces, inverse sq. laws	LECTURE	Precept Webassign 6a		Precept In-class PS			
MIDTERM BREAK								

Notes: Most weeks, the material will be introduced in LECTURE on Tuesday, and then discussed in the context of problem-solving in the following three precepts: Wednesday, Friday, and the subsequent Monday. Instead of a single midterm, there are four hour-long exams during the semester, all on Tuesdays in lecture, except the last, which is in your precept room. Each week there are two graded web-based assignments on WebAssign. The first is due at 11:59 pm on Tuesday (typically) and is meant to be short and easy, merely to orient you to the new reading. The second, beefier assignment should be done during the week and/or over the weekend. However, you do not have to turn it in until Monday evening at 11:59 pm, to allow you to ask last-minute questions about it in precept on Monday. Every Friday, a challenging problem set will be distributed in class and you will work on the problems with other students and your preceptor. We will NOT distribute solutions to these problem sets; nor will we grade them. These problem sets are meant to give you an indication of the level of understanding we expect from you on examinations (though not all exam problems are as difficult as the hardest Friday problems!)

NOTE THAT THE LABS RUN MONDAY-THURSDAY. There is no lab during the sixth week (midterm week for your other classes).

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Week	READING	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	(11/5/2007) (E-reserves (Feynman Ch. 13 & 14.)) (Conservative forces, inverse sq. laws)							Precept Webassign 6b
7	11/6/2007- 11/12/2007 Knight Chapter 13 Rigid Body Dynamics & Statics	TEST 2 Momentum, Energy, Conservative	Precept Webassign 7a		Precept In-class PS			Precept Webassign 7b
8	11/13/2007-11/19/2007 Knight Chapters 12 + E-reserves (Young & Freedman: gyroscopes) More Angular Momentum & Gravity	LECTURE	Precept Webassign 8a		Precept In-class PS			Precept Webassign 8b
9	11/20/2007 – 11/26/2007 Knight Chapter 14.1-14.5 Simple Harmonic Motion (SHM)	LECTURE	Precept Webassign 9a	THANKSGIVING				Precept Webassign 9b
10	11/27/2007-12/3/2007 Knight Chapter 14 + Posted Notes Oscillations	TEST 3 Rigid Body Motion, Gravity, SHM	Precept Webassign 10a		Precept In-class PS			Precept Webassign 10b
11	12/4/2007-12/10/2007 Knight Chapters 20 & 21 Waves, Wave Eqn, Boundary Conditions	LECTURE	Precept Webassign 11a		Precept In-class PS			Precept Webassign 11b
12	12/11/2007 – 12/17/2007 Knight Chapter 36 (E-Reserves) Special Relativity	LECTURE	Precept Webassign 12a		Precept In-class PS			(no precept) Webassign 12b
13		TEST 4 Oscillations, Waves, Special Relativity						
	READING PERIOD							

Notes: The last two days of the semester, 12/17/2007 and 12/18/2007 are to be treated as 'Thursday' and 'Friday' schedules. The final test on 12/18/2007 will be taken in the room where your precept is! All others are in the lecture hall. There are no labs the week of Thanksgiving. There will be a final exam scheduled by the registrar during the final exam period