

Physics 201 Course Information: Spring 2012

Syllabus: The primary focus of the course is an elucidation of the two fundamental \mathcal{L} aws of Newton. The topics that we will cover are:

- Vectors and Motion: Position, Velocity, Acceleration; JC-Chapters: 1—3
- Forces and Newton’s Laws; JC-Chapters: 4 & 5
- Kinetic and Potential Energy; Work; JC-Chapter: 6
- Impulse and Momentum; JC-Chapter: 7 & 8
- Rotation; JC-Chapters: 8—9
- Fluids; JC-Chapter: 10
- Gas Laws and Kinetic Theory JC-Chapter: 12

A *tentative*, perhaps somewhat ambitious, syllabus is outlined in the Table 1 based on the chapters of the text book by Jones & Childers (JC). For example, “Ch.4/5” means Chapter-4 and -5 of JC, and “Week of ..” refers to the Monday heralding the week. We will continually evaluate our progress and proclivity, and, if need be, deviate with intent from the following topics and time-table (see the following page).

Week-Number	Week of ...	Tuesday	Thursday
#1	9/Jan	10/Jan: Chap.2	12/Jan: Chap.2
#2	16/Jan	17/Jan: Chap.3	19/Jan: Chap.3
#3	23/Jan	24/Jan: Chap.4	26/Jan: Chap.4/5
#4	30/Jan	31/Jan: Chap.4/5	2/Feb: <u>1st. Test</u> <u>on Thr. (2.Feb.12)</u>
#5	6/Feb	7/Feb: Chap.6	9/Feb: Chap.6
#6	13/Feb	14/Feb: Chap.6/7	16/Feb: Chap.7
#7	20/Feb	21/Feb: Chap.7/8	23/Feb: Chap.8
#8	27/Feb	28/Feb: Chap.8	1/Mar: <u>2nd. Test</u> <u>on Thr. (1.Mar.12)</u>
#9	5/Mar	Spring Brk.	Spring Brk.
#10	12/Mar	13/Mar: Chap.9	15/Mar: Chap.9
#11	19/Mar	20/Mar: Chap.8	22/Mar: Chap.9
#12	26/Mar	27/Mar: Chap.5	29/Mar: Chap.10
#13	2/Apr	3/Apr: Chap.10	5/Apr: <u>3rd. Test</u> <u>on Th. (5.Apr.12)</u>
#14	9/Apr	10/Apr: Chap.12	12/Apr: Chap.12
#15	16/Apr	17/Apr: Last Week :)	19/Apr: Review :))
<u>FINAL</u> <u>Note!!</u>	28/Apr/12 (Sat)	Final for Phys.201 Different Time/Day!!	2:00pm at PSC-002

Table 1: Tentative Syllabus for the course Phys.201 in Spring, 2012: Chapters are from Jones & Childers. **NOTE:** The time (**2pm**) & day (**Sat**) of the Final are different from that of the lecture (**T/Th 9:30am**!)