PHYSICS 1210 **SYLLABUS/ASSIGNMENT SHEET** **Spring 2015**

2/20/15

Sections	Lecturer	Office	Phone	e-mail
8:00	Prof. Klaus Honscheid	PRB 3048	292-3287	honscheid.1@osu.edu
11:30	Prof. Tom Humanic	PRB 2144	247-8950	humanic.1@osu.edu

Course Manager: Dr. Raju Nandyala – Smith 1036B 292-4464 nandyala.1@osu.edu

HomeWork Administrator: Dr. K. Bolland – Smith 1106D, 292-8065, bolland.1@osu.edu

REQUIRED TEXTS & MATERIALS:

Electronic access to following course materials will be provided free of cost for the registered students via Carmen course site.
1) Physics: Principles with Applications by Douglas C. Giancoli, 7th edition.
2) Online HomeWork "PearsonMyLabAndMastering.com" Access Card.
3) Worksheets for Physics 1210 Laboratory.

COURSE POLICIES

See the "WELCOME TO STUDENTS OF PHYSICS 1210, 1211" packet for course policies. Course Home Page: http://www.physics.ohio-state.edu/phys1210/

ASSIGNMENTS

Reading assignments and demo problems on the following pages refer to Physics: Principles with Applications by Douglas C. Giancoli,7th ed.

Final Exam (rooms to be determined - 55 minutes):

SECTION	LECTURE TIME	FINAL EXAM	DATE AND TIME
8:00	Wed	4/29/2015	8:00am – 8:55am
11:30	Tue	5/05/2015	10:00am – 10:55am

Make no commitment that conflicts with your scheduled final examination.
See Course Manager Dr. Nandyala by Fri 3/27/2015 if a conflict exists.

Even though the Spring second session begins on Wed 3/4/15, because this 1210 bridge course material begins in the main 1200 course on Thu 3/26, your first instructional class will be on Thu 3/26.

Abbreviations: L=lecture, Rc=recitation, Ch=chapter, S=section, P=problem,
Q = question, HW = homework. *Each lab cycle begins on Thu and ends on Tue.*

---WEEK 10 ---

Mar 23 M
24 T
25 W
26 R L20 Density, Pressure, Pascal's Principle (Ch10 S1 - 5)
27 F Rc Tutoring

--- WEEK 11 ---

LAB#9: Fluids **(**Thu 4/2 to Tue 4/7)

Mar 30 M
31 T L21 Pressure Gauges, Buoyancy, and Archimedes' Principle (Ch10 S6 - 7)
Apr 1 W Rc No recitation clsass because 1200 course takes **Mid Term 2**
2 R L22 Fluids in Motion, Bernoulli's Equation, Applications (Ch10 S8 - 10)
3 F Rc Demo Problems (Ch10 Q2,6,9; P5,18,24,30,35,38)

--- WEEK 12 ---

LAB#10: Simple Harmonic Motion (Thu 4/9 to Tue 4/14)

Apr 6 M **HW#10** (L20&21)**:** due at 11:59 PM
7 T L23 Simple Harmonic Motion, Simple Pendulum (Ch11 S1 - 5)
8 W Rc **QUIZ 7**; Demo Problems Ch10 Q12,19,21; P43,50; Ch11 Q3,11; P16,21)
9 R L24 Resonance, Waves, Principle of Superposition (Ch11 S6 - 11)
10 F Rc Tutoring

--- WEEK 13---

LAB#11: Waves (Thu 4/16 to Tue 4/21)

Apr 13 M **HW#11** (over L22&23)**:** due at 11:59 PM
14 T L25 Sound and Standing Waves (Ch12 S1-3, Ch11 S12, Ch12 S4,5)
15 W Rc **QUIZ 8**; Demo Problems (Ch12 P9,38; Ch11 Q16,24; P40,49,53)
16 R L26 Refraction and Interference of Waves (Ch11 S13, Ch12 S6, Ch24 S2,3)
17 F Rc Tutoring

--- WEEK 14 ---

Lab#11 on Mon and Tue. Tue is end of the labs.

Apr 20 M **HW#12** (over L24&25)**:** due at 11:59 PM
21 T L27 Diffraction of waves (Ch11 S14, Ch24 S5)
22 W Rc **QUIZ 9**; Demo Problems (Ch12 Q5,11,16; P46,50,52; Ch24:P21)
23 R L28 Doppler Effect, Shock Waves, Ultrasound Applications (Ch12 S7-9)
24 F Rc Tutoring

--- WEEK 15 ---

Apr 27 M **HW#13** (over L26,27&28)**:** due at 11:59 PM. Last day of classes
28 T
29 W
30 R *Final Exam information is on the first page of this document.*
May 1 F

Course grade points distribution

3 Quizzes	= 24%
3 Labs	= 21%
Home Work	= 15%
Final	= 40%
Total	= 100%

OSU Standard Grade Scheme

Total % From	To	Grade
0	59.99	E
60.00	66.99	D
67.00	69.99	D+
70.00	72.99	C-
73.00	76.99	C
77.00	79.99	C+
80.00	82.99	B-
83.00	86.99	B
87.00	89.99	B+
90.00	92.99	A-
93.00	100	A