

Physics 204

Foundation of Physics (Spring 2002)

Text: *Fundamentals of Physics* (6th edition) by Halliday, Resnick and Walker

Dr. Shila Garg
Taylor 106

Sgarg@wooster.edu; Extn. 2586

Office Hours:

T: 11 - 12 a.m.

F: 1 - 2 p.m. (or drop-in)

Tentative Schedule for the semester:

<u>Week</u>	<u>Material</u>
1	Ch 17
2	Ch 18
3	Ch 35
4	Ch 36 (Test #1 on 2/8)
5	Ch 37
6	Ch 22
7	Ch 23
8	Ch 24 (Test #2 on 3/8)
9, 10	Spring Break
11	Ch 25
12	Ch 27
13	Ch 28
14	Ch 29 (Test #3 on 4/19)
15	Ch 30, 31
16	Ch 31, 32

Final Exam is on Tuesday, May 7th at 7:00 p.m.

Grades

Final %	Grade	25% labs 20% final exam 15% homework & quizzes 40% tests 2 - 3% XC homework
90-100	A- to A	
80-90	B- to B+	
etc.		
S	C-	

Tests and final exam should be taken at the scheduled time. Only people with exceptional excuses will be allowed to take them at another time. Quizzes will be given unannounced over material that has been covered in class. Quizzes may not be made up under any circumstances. On home works, quizzes and tests, it is not enough to show just the answer. You will have to show your work (all the relevant steps) to receive full credit.

Cheating on a test or a quiz is a serious breach of the Scot Honor Code and is grounds for an F for the entire course.

WAVES AND OPTICS

Assignments for 1/14/02 to 2/15/02

<u>WEEK</u>	<u>DATE</u>	<u>READ FOR CLASS</u>
1	Jan 14 M	
	Jan 16 W	Ch 17.1 - 17.6
	Jan 18 F	Ch 17.7 - 17.12 (omit 17.10)
2	Jan 21 M	Ch 18.1 - 18.5
	Jan 23 W	Ch 18.6 - 18.7 — Homework Set #1 due
	Jan 25 F	Ch 18.8
3	Jan 28 M	Ch 35.1 - 35.3
	Jan 30 W	Ch 35.4 — Homework Set #2 due
	Feb 1 F	Ch 35.6
4	Feb 4 M	Ch 36.1 - 36.3
	Feb 6 W	Ch 36.4 - 36.5 — Homework Set #3 due
	Feb 8 F	Test #1
5	Feb 11 M	Ch 36.7
	Feb 13 W	Ch 37.1 - 37.2
	Feb 15 F	Ch 37.6 - 37.7 — Homework Set #4 due

HOMEWORK ASSIGNMENTS

HW Set #1: Chapter 17 Problems

4E, 6P, 8P, 20P, 27E, 46P *Extra Credit:* 50P

HW Set #2: Chapter 18 Problems

7P, 14P, 22E, 31E, 40P, 42E, 54P *Extra Credit:* 16P

HW Set #3: Chapter 35 Problems

6P, 8P, 10P, 15P, 17E, 28P *Extra Credit:* 4(a)

HW Set #4: Chapter 36 Problems

6P, 9P, 13E, 19P, 33E, 46P *Extra Credit:* 47P

LAB SCHEDULE

Physics 204 (Spring 2002)

Week	Lab #	Experiment
1	—	No lab
2	1	Standing Waves
3	2	Beats
4	—	REVIEW #1
5	—	No Lab
6	3	Ray Optics
7	4	Wave Optics*
8	—	REVIEW #2
9 & 10		SPRING BREAK
11	5	Coulomb Experiment
12	6	Ohm's Law
13	7	Capacitor Circuit
14	—	REVIEW #3
15	8	Ampere Lab
16	9	Faraday Experiment

* **Formal Write-up**