

# PHYS 112 Class Schedule and Assignment Sheet – Spring 2007

## Contact Information

Instructors	Section	Office	Phone	E-mail
Prof. T. Gramila	8:30	1046 SMITH LAB	292-7357	<a href="mailto:gramila.1@osu.edu">gramila.1@osu.edu</a>
Prof. Y. Kovchegov	9:30	M2042 PRB	292-9628	<a href="mailto:yuri@mps.ohio-state.edu">yuri@mps.ohio-state.edu</a>
<b>Course Supervisor</b>				
Dr. M. Rallis	All	1036 SMITH LAB	292-4464	<a href="mailto:rallis.1@osu.edu">rallis.1@osu.edu</a>
<b>WebAssign Administrator</b>				
Dr. K. Bolland	All	5059 SMITH LAB	292-8065	<a href="mailto:bolland@mps.ohio-state.edu">bolland@mps.ohio-state.edu</a>

**Course Web Site** -- Additional information is available, go to:

<http://www.physics.ohio-state.edu/> then click on "Courses" and then on "Physics 112"

**Instruction Assistance** Free Tutoring is available in SM1011A. You are encouraged to take advantage of this.

## Required Materials

*PHYSICS* by Cutnell & Johnson, Volumes 1 and 2, 7<sup>th</sup> Edition (Wiley, 2007): Available in local bookstores.

Webassign Registration Access Card (from bookstores or via: <http://www.webassign.com/info/purchase.html>)

*Worksheets for Physics 112 Laboratory*, 12<sup>th</sup> edition (2005): Available in local bookstores

## Schedule and Assignments

All assignments listed below refer to the Cutnell & Johnson textbook. Students are expected to complete the assigned reading before lecture, and to attempt the assigned questions and online problems before recitation.

*Abbreviations: L lecture, R recitation, H homework, SAT Self- Assessment Test (on Cutnell & Johnson website)*

DATE		PREPARATION/ RECIT.	TOPIC / ONLINE ASSIGNMENT	LAB
Mar	26	R		<b>NO LAB</b>
	27	L	Read Ch. 18 S1-5; Do SAT 18.1	
	28	R	Ch. 18 Q 3,4,6,8	
	29	L	Read Ch 18 S6-8,10,11	
	30	H	<b>ONLINE HW #0 Due 11:30 PM: Make sure that you can log into WebAssign successfully (see instructions about login). Complete webAssign Tutorial (HW0)</b>	
Apr	2	R	Ch 18 Q 10,11,13	<b>Lab 1:</b> Electric Force & Electric Charge
	3	L	Read Ch 18 S6-8,10,11, Ch 19 S1-2	
	3	H	<b>Online Homework #1 due 11:30 PM</b>	
	4	R	Ch 19 Q 1,6,15	
	5	L	Read Ch 19 S1-4	
Apr	9		Ch 19 Q 1, 6, 15	<b>Lab 2:</b> Electric Resistance and Potential
	10	L	Read Ch. 19 S4,5,7, page 566; SAT 19.2 Read Ch. 20 S1	
	10	H	<b>Online Homework #2 due 11:30 PM</b>	
	11	R	Review all assignments	
	12	L	Ch. 20 S1-4	
Apr	16	R	Ch 19 Q 17, Ch 20 Q 4,5	<b>LAB 3:</b> Circuits and Ohm's Law (A)
	17	L	Read Ch 20 S6-9, pg. 597; - SAT 20.1	
	17	H	<b>Online Homework #3 due 11:30 PM</b>	
	18	R	Review all assignments	
	19	L	Read Ch. 21 S1-3	

DATE		PREPARATION/ RECIT.	TOPIC / ONLINE ASSIGNMENT	LAB
Apr	23	R	Ch 20 Q 10,13 Ch 21 Q 2,3	LAB 4: Circuits and Ohm's Law (B)
	24	L	Read Ch. 21 S3-5; Do SAT 21.1	
	24	H	<b>Online Homework #4 due 11:30 PM</b>	
	25	R	Review all assignments	
	26	L	Read Ch. 21 S6,10	
Apr	30	R	Ch 21 Q 5, 7, 8, 9	NO LAB
May	1	L	Read Ch. 21 S7,9; Do SAT 21.2	
	1	H	<b>Online Homework #5 due 11:30 PM</b>	
	2	R	Review all assignments	
	3	L	Read Ch. 22 S1-5; Do SAT 22.1	
May	7	R	Ch 21 Q13,17; Ch 22 Q4,Q12 Prob 31	LAB 5: Deflection of Electrons
	8	L	Read Ch. 22 S6,7,9,10; Do SAT 22.2	
	8	H	<b>Online Homework #6 due 11:30 PM</b>	
	9	R	Review all assignments	
	10	L	Read Ch. 10 S1-4; Do SAT 10.1	
	11		<b>Last Date to drop without petition</b>	
May	14	R	Ch 22 Q 14, Ch 10 Q 3, 7	LAB 6: Periodic Motion
	15	L	Ch. 10 S6,9; Ch. 16 S1,2; Ch 24 S1-3	
	15	H	<b>Online Homework #7 due 11:30 PM</b>	
	16	R	Review all assignments	
	17	L	Read Ch. 25 S1-4; Do SAT 25.1	
May	21	R	Ch 16 Q 4,11 Ch 25 Q 1,2	MONDAY ONLY! LAB 7: Geometrical Optics (I)
	22	L	Read Ch. 25 S 4-7; Do SAT 25.2	
	22	H	<b>Online Homework #8 due 11:30 PM</b>	
	23	R	Review all assignments	
	24	L	Read Ch. 26 S 1,2,3	
May	28	R	<b>Holiday: Memorial Day</b>	Tues, Wed, Thurs, Fri: LAB 7: Geometrical Optics (I)
	29	L	Read: Ch. 26 S 6,7,8	
	29	H	<b>Online Homework #9 due 11:30 PM</b>	
	30	R	Ch 25 Q 3,6 Ch 26 Q 2,3	
	31	L	Read: Ch. 26 S 7,8,10	
Jun	1	H	<b>Online Homework #10 due 11:30PM</b>	

### ALL EXAMS, INCLUDING THE FINAL EXAM, ARE HELD IN YOUR RECITATION ROOM

SECTION MEETING TIME

FINAL EXAM DATE

FINAL EXAM TIME

8:30 – 9:18 PM

Monday, June 4

7:30 - 9:18 AM

9:30 – 10:18 PM

Wednesday, June 6

9:30 - 11:18 AM

Make no commitment that will conflict with your scheduled final examination. You must see Dr. Rallis (Office: 1036 B Smith Labs, Tel. 292-4464, email: [rallis.1@osu.edu](mailto:rallis.1@osu.edu)) NO LATER THAN: Friday April 20, 2007 if a conflict exists.