

PHY U111 Introduction to Astronomy Spring 2006

Professor: Stephen Reucroft. **Phone:** 617.373.2941. **Email:** stephen.reucroft@cern.ch

WebSite: www.myneu.neu.edu (**blackboard**) Course = PHY U111, Key = 66339.

Class Hours: MWTh 9:15 AM. **Room:** 103 CH.

Office Hours: MWTh 8:30 AM and 11:30 AM and By Appointment (209 DA).

Grading: Best Midterm Exam = 40% and Final Exam= 60%. **NO MAKE-UP EXAMS**

Text: INTRO to ASTRO by S. Reucroft (Gnomon Copy, 235 Huntington Ave.).

<u>Date</u>	<u>Topic</u>	<u>Reading</u>	<u>Homework Problems</u>
Week 1:	Introduction	Chs 1, 2, 3	2(7,15,16,19,20), 3(4,10,12,14,20)
Week 2:	Night and Day Sky	Ch 3	3(7,8,9,22,23)
Week 3:	Gravity	Chs 3, 4, 5	3(18), 4(3,8,12,15,19), 5(5,8,20)
Week 4:	Electromagnetism	Ch 6	6(4,6,20,24,27)
Week 5:	Optics and Telescopes	Ch 7	7(2,3,6,7,10)
Week 6:	Thermo and Quantum	Ch 8	8(7,9,10,16,17)
Week 7:	Review		
Week 7:	First Midterm Exam (Feb 23)		
Week 8:	Stars and Stellar Evolution	Chs 9, 10, 11	9(9,12,17), 10(1,7,12,17,21)
Week 9:	SPRING BREAK (Mar 6-10)		
Week 10:	Exotic Stars (n*, BH)	Ch 11	11(1,4,6,7,8)
Week 10:	Relativity	Ch 12	12(2,3,4,5)
Week 11:	Galaxies and Cosmology	Chs 13, 14, 15	13(2,3), 14(1,2), 15(2,4,5,9,10)
Week 12:	Review		
Week 12:	Second Midterm Exam (Mar 30)		
Week 13:	Solar System	Ch 16	16(6,7,9,16,17)
Week 14:	Life	Ch 17	17(1,2,3)
Week 15:	Review		
Apr 20:	Reading Day		
Week 16:	Final Exam (TBA in Apr 21-28)		
Jan 16:	Martin Luther King Day		
Feb 20:	Presidents Day		
Apr 17:	Patriots Day		

Reading: Try to read the assigned chapters before we cover the material in class.

Homework: Each week a few homework problems and exercises are assigned. They are for practice, not for grading. It is very important that you attempt all of these assigned problems *before* they are discussed in class. If you cannot finish a problem, it is *crucial* to identify exactly where you run into difficulties and ask questions in class. We'll reserve some time in class each week to discuss HW problems.

SPRING CALENDAR

	M	T	W	Th	F	Sa	Su	
January	9	10	11	12	13	14	15	Week 1
	16	17	18	19	20	21	22	Week 2
	23	24	25	26	27	28	29	Week 3
	30	31	1	2	3	4	5	Week 4
February	6	7	8	9	10	11	12	Week 5
	13	14	15	16	17	18	19	Week 6
	20	21	22	<u>23</u>	24	25	26	Week 7
	27	28	1	2	3	4	5	Week 8
March	6	7	8	9	10	11	12	Week 9
	13	14	15	16	17	18	19	Week 10
	20	21	22	23	24	25	26	Week 11
	27	28	29	<u>30</u>	31	1	2	Week 12
April	3	4	5	6	7	8	9	Week 13
	10	11	12	13	14	15	16	Week 14
	17	18	19	20	21	22	23	Week 15
	24	25	26	27	28			Week 16

Bold = Holidays

Underline = Exams