

# Physics 174

## Course Schedule

22 January, 2007

The schedule below is tentative. All dates, including the exams, are subject to change. Updated schedules will be distributed as needed.

Lecture	Date	Topic(s)	Reading in text
1	22 Jan	Introduction	Ch. 1
2	24 Jan	The Nature of Science	Windows on Science (Ch. 1-5, see p vii)
3	26 Jan	I. Ancient Astronomy, Egypt	4.0-4.1 (pp 56-9)
4	29 Jan	I. Mesopotamia	2.1 (pp 14-6), 2.2
5	31 Jan	I. Ancient Greece	4.1 (pp 60-1)
6	2 Feb	I. The Celestial Sphere	2.3-2.4
7	5 Feb	I. The Celestial Sphere	Ch. 3
8	7 Feb	I. Classic Greece	4.1 (pp 61-3)
9	9 Feb	I. The Dark Ages and Copernican Revolution	4.2 (pp 63-8)
10	12 Feb	I. Galileo	4.2 (pp 68-72)
11	14 Feb	I. Kepler	4.3-4.4
12	16 Feb	I. Newton	5.1-5.2
13	19 Feb	I. Review	
14	21 Feb	Exam 1	
15	23 Feb	II. The Spectrum	6.0-6.1
16	25 Feb	II. Optics, Telescopes, Photometry	6.2-6.5
17	28 Feb	II. Photometry	7.1
18	2 Mar	II. Spectroscopy	7.2-7.3, 7.4 (pp 153-4)
19	5 Mar	III. Overview	19.0, 19.2, 20.0-20.2
20	7 Mar	III. Terrestrial Surfaces	Ch 21, 22.0-22.1 (pp 520-2, 525-31)
21	9 Mar	III. Terrestrial Interiors	20.3, 22.1 (pp 531-3)
22	19 Mar	III. Terrestrial Atmospheres	20.4, 22.1 (pp 522-5)
23	21 Mar	III. Life on Earth	26.0-26.2
24	23 Mar	III. The Earth's Climate	2.5
25	26 Mar	III. Life and Water on Mars	22.2
26	28 Mar	III. Review	
27	30 Mar	Exam 2	
28	2 Apr	III. Asteroids	22.3, 25.1-25.2 (pp 620-34)
29	4 Apr	III. Jovian Atmospheres and Interiors	23.0-23.2, 23.4, 24.0-24.1 (pp 588-97) 24.2 (pp 603-5, 607-8)
30	6 Apr	III. Jovian Rings	23.2 (pp 559, 562-3), 23.3 (pp 573-7) 24.1 (pp 597-9), 24.2 (pp 605-6, 607-8)
31	9 Apr	III. Outer Moons - Jupiter	23.3
32	11 Apr	III. Outer Moons - Saturn	23.5
33	13 Apr	III. Outer Moons - Uranus and Neptune	24.1 (pp 597, 600-2), 24.2 (pp 606-7)
34	16 Apr	III. The Outer Solar System	24.3, 25.0-25.1 (pp 616-20), 25.3-25.4
35	18 Apr	III. The Formation of the Solar System	19.1, 19.3
36	20 Apr	III. Review	
37	23 Apr	Exam 3	
38	25 Apr	IV. Introduction to Exobiology	19.4
39	27 Apr	IV. Exoplanets - Methods	
40	30 Apr	IV. Exoplanets - Results	
41	2 May	IV. The Drake Equation	26.3
42	4 May	IV. Review	
43	11 May	Final exam at 7:30 am	