

## Calendar and lecture notes for ZCT 104, Semester II, 2005/06

Note: The planned schedule is tentative and subjected to possible modification.

Note: \* The extra class scheduled at Wednesday night, noted with a star (\*), is a tentative arrangement, subjected to last-minute change.

Topic and No. of lecture	Scheduled date	Extra reading materials
<a href="#">Special theory of Relativity</a> (38 pg) 8 lectures	26 Dec 05 (Mon) - No lecture 28 Dec 05 (Wed)-Lecture 1 30 Dec 05 (Fri)-Lecture 2 2 Jan 06 (Mon)-Holidays, no lecture 4 Jan 06 (Wed)-Lecture 3 6 Jan 06 (Fri)-tutorial 9 Jan 06 (Mon)-Lecture 4 11 Jan 06 (Wed)-Lecture 5 13 Jan 06 (Fri)-tutorial 16 Jan 06 (Mon)-Lecture 6 18 Jan 06 (Wed)-Lecture 7 20 Jan 06 (Fri)-Test I 23 Jan 06 (Mon)-Lecture 8	<a href="#">The development of Physics and Modern Physics</a> <a href="#">Michelson Morley experiment</a> <a href="#">Ether</a> <a href="#">Relativity</a> <a href="#">Time</a>
<a href="#">EM waves and Black Body</a> (17 pg) 3.5 lecture	25 Jan 06 (Wed)-Lecture 9 27 Jan 06 (Fri)-tutorial 30 Jan 06 (Mon)-CNY Holidays, no lecture 1 Feb 06 (Wed)-CNY Holidays, no lecture 3 Feb 06 (Fri)-CNY Holidays, no tutorial 6 Feb 06 (Mon)-Lecture 10 8 Feb 06 (Wed)-Lecture 11 10 Feb 06 (Fri)-tutorial 13 Feb 06 (Mon)-Midterm break 15 Feb 06 (Wed)-Midterm break 17 Feb 06 (Fri)-Midterm break 20 Feb 06 (Mon)-Lecture 12	<a href="#">Electromagnetic waves: photon photoelectric effect</a> <a href="#">X-rays:</a>
<a href="#">Particle properties of waves</a> (33 pg) 7 lectures	22 Feb 06 (Wed)-Lecture 13 24 Feb 06 (Fri)-tutorial 27 Feb 06 (Mon)-Lecture 14 1 Mar 06 (Wed)-Lecture 15 3 Mar 06 (Fri)-tutorial 6 Mar 06 (Mon)-Lecture 16 8 Mar 06 (Wed)-Lecture 17 8 Mar 06 (Wed)-Lecture 18 (extra class, 8.00 pm, at SK3)* 10 Mar 06 (Fri)-tutorial	<a href="#">Quantum theory</a>
<a href="#">The wavelike properties of particles</a> (16 pg) 3.5 lectures	13 Mar 06 (Mon)-Lecture 19 15 Mar 06 (Wed)-Lecture 20 17 Mar 06 (Fri)-tutorial 20 Mar 06 (Mon)-Lecture 21 22 Mar 06 (Wed)-Lecture 22	<a href="#">Quantum Atom</a>

<a href="#">Atomic models</a> (21 pg) 4.5 lectures	22 Mar 06 (Wed)-Lecture 23 (extra class, 8.00 pm, at SK3)* 24 Mar 06 (Fri)-Test II 27 Mar 06 (Mon)-Lecture 24 29 Mar 06 (Wed)-Lecture 25 29 Mar 06 (Wed)-Lecture 26 (extra class, 8.00 pm, at SK3)* 31 Mar 06 (Fri)-tutorial	
<a href="#">Introductory QM</a> 3.5 lectures	3 Apr 06 (Mon)-Lecture 27 5 Apr 06 (Wed)-Lecture 28 5 Apr 06 (Wed)- Lecture 29 (extra class, 8.00 pm, at SK3)* 7 Apr 06 (Fri)-Lecture 30	<a href="#">Introduction to quantum mechanics</a>

Meeting times (for the whole semester):

Lectures + extra classes = 26 times + 4 times = 30 times

Tutorial + tests = (9 + 2) times, on every Fridays, except the first and last Friday of the semester

Missed lectures + missed tutorials = (4 + 1) times = 5 times

Total = 30 + 11 - 5 = 42 times

142 x 4 pages of lecture notes, total 30 lectures.

142 x 4 /30 = 4.7 x 4 = 19 pages power point notes per lecture