Trent University: PHYS 1002H: 2013-2014

Course Schedule: Introductory Physics II

Prof. Ralph Shiell

Week	Date (Mon–Fri)	Mon. Class (12:00–13:50) Pages of notes to be covered	Tues or Weds, Labs or Tutorials (09:00–11:50; 13:00–15:50)	Weds. Class (12:00–12:50) Pages of notes to be covered
1	Jan 6–10	Intro;25.1 – 25.6	No lab or tutorial	25.1 – 25.6
2	Jan 13–17	26.1 – 26.6	Tutorial (work on PS1)	27.1 – 27.4
3	Jan 20–24	27.5–27.11	Lab: Electricity	28.1–28.9
4	Jan 27–31	30.1-30.4	Tutorial (quiz on PS1; work on PS2)	31.1-31.14
5	Feb 3–7	32.1-32.10	Lab: Electron Deflection	32.11-32.15
6	Feb 10–14	32.16-32.26	Tutorial (quiz on PS2; work on PS3)	33.1-33.6
Feb 17 – 21 Reading Week				
7	Feb 24–28	23.1-23.10	Tutorial (quiz on PS3; review of 25-33 for test)	Review for test
8	Mar 3–7	**TEST (25-33)**	Lab: Thin Lenses	23.11-23.21
9	Mar 10–14	21.1-21.5	Tutorial (work on PS4)	21-6-21-10
10	Mar 17–21	24.1-24.6	Lab: Optics	24.3-24.7
11	Mar 24–28	39.1–39.4	Tutorial (quiz on PS4; work on PS5)	39.5-39.10
12	Mar 31–Apr 4	Review	Tutorial (quiz on PS5; review)	Review
Apr 7 – 22 Exam Period				

Chapter of notes	Topics covered (note ordering of topics and that 21 & 22, and 28 & 29, are combined)
25	Electric charges and forces (6pg)
26	The electric field (6 pg)
27	Gauss' law (11 pg)
28-29	The Electric potential (9 pg)
30	Current and resistance (4 pg)
31	Circuits(14 pg)
32	The magnetic field (26 pg)
33	Electromagnetic induction (7 pg)
23	Ray optics (21 pg)
21-22	Wave optics (10 pg)
24	Optical instruments (7 pg)
39	Quantum physics (10 pg)

Remember **SUPER** when answering physics questions:

Sketch a diagram of what is known (values with units, etc.)
Identify the **U**nknown and known variables.
State the **P**rinciples of Physics you think will be useful
Write down the **E**quations and do the math
Finally ask if the answer is **R**easonable.

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