# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 13, DEC. 3 - 7

- Problem Set #4

→ due in tutorial boxes by 5 PM, Tuesday Dec. 4

→ solutions will be posted on WWW Tuesday night

→ if handed directly to your TA before 5 PM, Friday Nov. 30, you will can collect marked copies from your TA after 5 PM, Tuesday Dec. 4

- Tutorials

→ review #12 this week, solutions posted on WWW

- Term Test #2

→ 6:30-8:30 PM, Thursday, Dec. 6 in MP125/126

→ Make-up: 3:00-5:00 PM, Friday, Dec. 7, MP408

→ marks will be posted on WWW by Dec. 21

- PHY140 Course Evaluations

→ start of class, Tuesday, Dec. 4

- Friday's class will be given by Prof. Tony Key

- Physics Colloquium

→ *Atmospheric Physics*, Prof. Jim Drummond, Dept. of Physics, U of Toronto (4:10, Thursday, MP102)

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 12, NOV. 26 - 30

- Problem Set #4

→ due in tutorial boxes by **5 PM, Tuesday Dec. 4**

→ solutions will be posted on WWW Tuesday night

→ if handed directly to your TA before 5 PM, Friday Nov. 30, you will can collect marked copies from your TA after 5 PM, Tuesday Dec. 4

- Tutorials

→ reviewing #11 this week

→ #11 Solutions and #12 Questions will be posted on WWW on Wednesday

→ prepare for #12 on Dec. 3/4

- 3rd Physics tour – Atmospheric Physics (Strong and Drummond labs) + pizza lunch

→ 1-2 PM, Thursday, November 29

- Physics Colloquium

→ "The Asymmetry Between Matter and Anti-Matter", Prof. Vivek Sharma, Dept of Physics, UC San Diego (4:10, Thursday, MP102)

- PHY140 Course Evaluations

→ start of class, Tuesday, Dec. 4

- Term Test #2

→ 6:30-8:30 PM, Thursday, Dec. 6 in MP125/126

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 11, NOV. 19 - 23

- Problem Set #3

→ absolute deadline was 1 PM Monday Nov. 19
→ should be returned in this week's tutorials
→ solutions posted on the WWW

- Problem Set #4

→ was handed out in class on Friday Nov. 16
→ due in tutorial boxes by 5 PM, Thursday Nov. 29
→ absolute deadline is 1 PM Monday Dec. 3

- Tutorials

→ reviewing #10 this week
→ #10 Solutions and #11 Questions will be posted on WWW on Wednesday
→ prepare for #11 on Nov. 26/27

- Physics Colloquium

→ " What's the point of science", Prof. Kenneth Howard, Dept. of Environmental Science, U of Toronto at Scarborough (4:10, Thursday, MP102)

- 3rd Physics tour – Atmospheric Physics (Strong and Drummond labs) + pizza lunch

→ 1-2 PM, Thursday, November 29

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 10, NOV. 12 - 16

- Term Test #1

→ any changes to marks should be done by Nov. 13

- Problem Set #3

→ due in class on Thursday Nov. 15

→ absolute deadline is 1 PM Monday Nov. 19

- Problem Set #4

→ will be handed out in class on Friday Nov. 16

- Tutorials

→ reviewing #9 this week

→ #9 Solutions and #10 Questions will be posted on WWW on Wednesday

→ prepare for #10 on Nov. 19/20

- Physics Colloquium

→ "The Sudbury Neutrino Observatory: Solving the Solar Neutrino Problem", Prof. Arthur McDonald, Director, Sudbury Neutrino Observatory Institute (4:10, Thursday, MP102)

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2000-2001
# WEEK 9, NOV. 5 - 6

- Problem Set #3

→ was handed out in class on Friday Nov. 2

→ due in tutorial boxes by 5 PM, Thursday Nov. 15

→ absolute deadline is 1 PM Monday Nov. 19

- Tutorials

→ reviewing #8 this week

→ #8 Solutions and #9 Questions will be posted on WWW on Wednesday

→ prepare for #9 on Nov. 12/13

- Physics tour by Dr. Liam Kieser – ISOTRACE (Canadian Centre for Accelerator Mass Spectrometry) + pizza lunch

→ 1-2 PM, Tuesday, November 6

- Physics Colloquium

→ " Astrophysics Faces the Millenium", Prof. Virginia Trimble, Department of Physics & Astronomy, University of California-Irvine (4:10, Thursday, MP102)

- Friday (Nov. 9) – lab lecture by Prof. Tony Key

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 8, OCT. 29 - NOV. 2

- Problem Set #3

→ will be handed out in class on Friday Nov. 2
→ due in class on Thursday Nov. 15
→ absolute deadline is 1 PM Monday Nov. 19

- Tutorials

→ reviewing #7 this week
→ #7 Solutions and #8 Questions will be posted on WWW on Wednesday
→ prepare for #8 on November 5/6

- Term Test #1

→ will be returned in the Nov. 5/6 tutorials

- Physics Colloquium

→ "Critical Casimir Effect", Prof. Moses Chan, Dept. Physics, University of Pennsylvania State University (4:10, Thursday, MP102)

- Physics tour – ISOTRACE (Canadian Centre for Accelerator Mass Spectrometry) + pizza lunch

→ trying for 1-2 PM, Tuesday, November 6

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 7, OCTOBER 22-26

- Problem Set #2

→ absolute deadline was 1 PM Monday Oct. 22

→ should be returned in this week's tutorials

→ solutions posted on the WWW on Monday PM

- Problem Set #3

→ will not be handed out until November 2

- Tutorials

→ reviewing #6 this week

→ #6 Solutions and #7 Questions will be posted on WWW on Wednesday

→ prepare for #7 on October 29/30

- Term Test #1

→ 6:30-8:30 PM, Thursday, Oct. 25 in MP125/126

- Term Test #1 – Make-Up Version (by permission)

→ 2:00-4:00 PM (3:00-5:00 PM for some students), Friday, October 27, 2001 in MP408

- Physics Colloquium

→ "Gravitational Lensing: An Alternative Probe of Dark Matter" by Dr. Ludovic Van Waerbeke, CITA, U of T (4:10, Thursday, MP102)

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 6, OCTOBER 15-19

- Problem Set #1

→ returned in this week's tutorials

- Problem Set #2

→ due in drop boxes by 5 PM Thursday October 18

→ absolute deadline is 1 PM Monday October 22

→ will be returned in Oct. 22/23 tutorials

- Problem Set #3

→ will not be handed out until November 2

- Tutorials

→ reviewing #5 this week

→ #5 Solutions and #6 Questions will be posted on WWW on Wednesday

→ prepare for #6 on October 22/23

- Term Test #1 – next week, 6:30-8:30 PM, Thursday, October 25 in MP125/126

→ need to discuss conflicts and make-up test

- Physics Colloquium: "In Search of Lost Time" by Prof. Derek York, Dept. of Physics, University of Toronto (4:10, Thursday, MP102)

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 5, OCTOBER 8-12

- Problem Set #1

→ absolute deadline – 2 PM Tuesday October 9

→ will be returned in the October 15/16 tutorials

- Problem Set #2 has been handed out

→ due in class on Thursday October 18

→ absolute deadline is 1 PM Monday October 22

- Tutorials

→ reviewing #4 this week (Tuesday only)

→ #4 Solutions and #5 Questions will be posted on WWW on Wednesday

→ prepare for #5 on October 15/16

- Nonlinear Physics tour (+ pizza lunch)

→ 1-2 PM, Tuesday, October 9

→ meet in MP110 (lounge) after class

→ for more info: http://mobydick.physics.utoronto.ca

- Friday's class will be given by Prof. Tony Key and will cover PHY140 lab material

- Physics Colloquium: "*At last, a Magnetic Analogue of Ice Water: 'Spin Ice'*", by Prof. Michel Gingras, Dept. of Physics, University of Waterloo (4:10, Thursday, MP102)

- final tutorial assignments are posted on the WWW

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 4, OCTOBER 1-5

- Problem Set #1

→ due by 5 PM this Thursday October 4

→ absolute deadline is 2 PM Tuesday October 8 (an extra day because of the holiday Monday)

→ staple all pages together before handing them in!

→ drop them in the appropriate box, labelled by tutorial group, in the basement at the bottom of the stairs outside MP202 (do not hand them in at class)

→ give your name, tutorial session, and TA's name on the front page of your problem set

| | | |
|---|---|---|
| T0101A | Mondays, 1-2, | SS 2129 (Hernan Ugalde) |
| T0101B | Mondays, 1-2, | SS 2120 (Amit Ghosh) |
| T0201A | Mondays, 4-5, | UC 87 (Amit Ghosh) |
| T0201B | Mondays, 4-5, | MP 606 (Marcelo Ruetalo) |
| T0301A | Tuesdays, 2-3, | UC 67 (Michael Trott) |
| T0301B | Tuesdays, 2-3, | RW 141 (Hernan Ugalde) |
| T0401A | Tuesdays, 4-5, | LM 157 (Michael Trott) |
| T0401B | Tuesdays, 4-5, | MP 408 (Marcelo Ruetalo) |

→ due to the long weekend and holiday Monday, Problem Set #1 will be returned in the October 15/16 tutorials (rather than October 8/9)

- Problem Set #2

→ will be handed out in class on Friday October 5

→ due on Thursday October 18

- Tutorials

→ reviewing #3 this week

→ #3 Solutions and #4 Questions will be posted on WWW on Wednesday

→ prepare for #4 on **Tuesday, October 9 only**

→ students in holiday Monday October 8 tutorials may attend a Tuesday tutorial: 2-3 in UC 67, 2-3 in RW 141, 4-5 in LM 157, or 4-5 in MP 408

- tutorial assignments are posted on the WWW
  → see me if you want to change your tutorial
  → will post final versions shortly

- Friday's class will be given by Prof. Tony Key and will cover PHY140 lab material

- Physics Colloquium: "*Where does friction come from?*", by Prof. Mark Robbins, Dept. of Physics, Johns Hopkins University (4:10, Thursday, MP102)

- Nonlinear Physics tour (+ pizza lunch)

→ 1-2 PM, Tuesday, October 9

→ meet in MP101 after class

→ for advance info: http://mobydick.physics.utoronto.ca

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 3, SEPTEMBER 24-28

- Problem Set #1

→ due in tutorial boxes by 5 PM Thursday Oct. 4

→ absolute deadline is 1 PM Monday Oct. 8

- Tutorials

→ reviewing #2 this week

→ #2 Solutions and #3 Questions will be posted on WWW on Wednesday

→ prepare for #3 on October 1/2

- revised tutorial assignments are posted outside MP202 and on the WWW

  → see me if you want to change your tutorial

- Friday's class will be given by Prof. Tony Key and will cover PHY140 lab material

- 2001 J. Tuzo Wilson Lecture: "*Taking the Fingerprints of Global Sea Level Rise*",
  by Dr. Jerry Mitrovica, Dept. of Physics,U of T (8:00 PM, Wednesday, McLeod Auditorium, Med Sciences Bldg, 1 King's College Circle)

- Physics Colloquium: "*Quantum Computing*",
  by Dr. Raymond Laflamme, The Perimeter Institute and Dept. of Physics,U of Waterloo (4:10, Thursday, MP102)

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
# WEEK 2, SEPTEMBER 17-21

- should now have the textbook and lab manual + notebook

- this week's tutorial sessions are in MP222 for an introduction to the PHY140 lab

- tutorial assignments will be posted outside MP202 and on the WWW this week
  $\rightarrow$ see me if you want to change your tutorial

- Tutorial #1 solutions and Tutorial#2 questions are posted on the WWW

- prepare for Tutorial#2 on September 24/25

- Problem Set #1 will be handed out in class on Friday September 21

- Physics Colloquium: "A High-Precision Determination of the Fine-Structure Constant", by Prof. Eric Hessels, York University (4:10, Thursday, MP102)

# PHY 140Y - FOUNDATIONS OF PHYSICS
# 2001-2002
## WEEK 1, SEPTEMBER 10-14

- register for PHY140 lab and tutorial sessions
- buy PHY140 textbook, lab manual, and lab notebook from U of T Bookstore
- pick up Tutorial #1 in class on Thursday – try these questions on your own, solutions will be posted on the WWW
- attend Friday's lecture – Prof. Tony Key will provide an overview of the PHY140 lab
- come to the PHY140 Pizza & Pop Icebreaker at 12:00-1:00, Friday, Sept. 14, in MP110
- go to MP222 for your first tutorial session on Sept. 17/18 for an introduction to the new lab
- tutorial assignments will be posted next week
- Physics Colloquium: "String Theory: What is it, and what is it good for?", by Prof. Amanda Peet, Dept. of Physics, U of T (4:10, Thursday, MP102)