
PHY 140Y - FOUNDATIONS OF PHYSICS
2001-2002
GENERAL INFORMATION
(as of September 21)

- LECTURERS:** **FALL TERM** **SPRING TERM**
Prof. Kimberly Strong Prof. Michael Luke
room MP710A, telephone 946-3217 room MP1116, telephone 978-2985
strong@atmosp.physics.utoronto.ca luke@physics.utoronto.ca
- OFFICE HOURS:** **FALL TERM** **SPRING TERM**
Tuesdays, 1:00-2:00 PM, MP710A to be announced
Thursdays, 1:00-2:00 PM, MP710A
Fridays, 1:00-2:00 PM, MP710A
- TUTORS:** Amit Ghosh, room MP710, 978-5213, amit@atmosp.physics.utoronto.ca
Marcelo Ruetalo, room MP1405, 978-3148, ruetalo@cita.utoronto.ca
Michael Trott, room MP1122, 978-6822, mrtrott@physics.utoronto.ca
Hernan Ugalde, room MP422, 978-5977, ugalde@core.physics.utoronto.ca
Diana Valencia, room MP403, 946-7058, diana@terra.physics.utoronto.ca
- TEXTBOOK:** *Physics with Modern Physics*, 3rd Edition, Wolfson and Pasachoff, (Addison-Wesley, 1999) available from the University of Toronto Bookstore (\$125.95).

This text was also used last year, so used copies may also be available (\$94.50 at U of T Bookstore). Both the 2nd and 3rd Editions are also on short-term loan in Gerstein Science Library (King's College Circle).
- COURSE NOTES:** Fall term lecture summaries will be posted on the PHY140 Fall term home page.
- HOME PAGE:** <http://www.atmosp.physics.utoronto.ca/people/strong/phy140/phy140.html>

This has links to general information, instructors, lab home page, and Fall and Spring term pages. The Fall term home page has course information, links to other sites, tutorials, problem sets, term tests, and an archive of material from previous years. This will be updated regularly – check it at least once a week.
- LECTURES:** Tuesdays, 12:10-1:00 PM, room MP202
(three per week) Thursdays, 12:10-1:00 PM, room MP202
Fridays, 11:10 am -12:00 PM, room MP202
- LABS:** Wednesdays, 2:00-5:00 PM, room MP222 (sections P0311 or P0312)
(alternate weeks) Thursdays, 1:00-4:00 PM, room MP222 (sections P0411 or P0412)
NOTE: Wednesdays, 6:00-9:00 PM (section P5312) has been cancelled for 2001.

PHY140 Lab Home Page: <http://faraday.physics.utoronto.ca/PHY140Lab.html>
The labs are organized by Prof. Tony Key, room MP401, key@physics.utoronto.ca

TUTORIALS: (one per week)	Mondays, 1:10-2:00 PM,	section T0101A is in room SS 2129 (Hernan Ugalde) section T0101B is in room SS 2120 (Amit Ghosh)
	Mondays, 4:10-5:00 PM,	section T0201A is in room UC 87 (Amit Ghosh) section T0201B is in room MP 606 (Marcelo Ruetalo)
	Tuesdays, 2:10-3:00 PM,	section T0301A is in room UC 67 (Michael Trott) section T0301B is in room RW 141 (Hernan Ugalde)
	Tuesdays, 4:10-5:00 PM,	section T0401A is in room LM 157 (Michael Trott) section T0401B is in room MP 408 (Marcelo Ruetalo)

There will be twelve sets of tutorial questions in the Fall term. These are intended to help you apply the lecture material to solving problems, and will not be marked. They will be handed out in class one week in advance of when they will be reviewed in the tutorials. This will allow you to try solving the problems on your own first – this is strongly recommended!

The first tutorial session on September 17/18 will be used to give you an introduction to the new PHY 140Y laboratory – you should go to room MP222 for the hour of your first tutorial. Regular tutorials begin September 24/25. You will be assigned to tutorial sections before September 24/24 – these will be posted.

PROBLEM SETS: Problem Set #1 – due Thursday, October 4
 Problem Set #2 – due Thursday, October 18
 Problem Set #3 – due Thursday, November 15
 Problem Set #4 – due Thursday, November 29
 Problem Sets #5 to #8 – Spring Term, due dates to be announced

*These will consist of 8-10 questions, of which 3-4 will be marked. They will be handed out in class on Fridays and will be due in the appropriate box (labeled by tutorial group) in the basement at the bottom of the stairs outside MP202 by 5 PM on the second Thursday thereafter. They will be marked by your tutor and will be handed back in your tutorial session on the Monday or Tuesday immediately after the Thursday due date. **Late penalty:** 5 marks/day (which also applies to weekend days). Late problem sets will not be accepted after they have been returned to other students, so the absolute deadline to receive problem sets is 1:00 PM on Mondays.*

TERM TESTS: Term Test #1 – 6:30-8:30 PM, Thursday, October 25, rooms MP125 and MP126
 Term Test #2 – 6:30-8:30 PM, Thursday, December 6, rooms MP125 and MP126
 Term Test #3 – Spring Term, date and time to be determined
Tests will consist of some short answer questions (definitions, explanations) and some calculations (similar to questions in the problem sets and tutorials). There will not be any multiple choice questions and there will be no choice of questions.

MARKING:

20%	Problem sets (10% for each term)
25%	Term tests (two in Fall term, one in Spring term)
20%	Labs
35%	Final exam (April/May 2001)

SOCIAL EVENTS AND PHYSICS TOURS:

- Pizza and Pop Icebreaker – 12:00-1:00 PM, Friday, September 14, room MP110
- About 3 tours/term will be organized to provide an introduction to each area of physics research in the Department. Come along for lunch, a short talk, and a tour. Topics and dates to be announced.