

## PHY 151F: Foundations of Physics I

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- handles issues about scheduling, enrolling in different practical sections and other administrative matters

**Website:** available through Blackboard portal

**Textbook:** Eric Mazur: Principles and Practice of Physics, Volume 1. Notes:

- The text is available at the Bookstore in 2 formats, you may choose either:
  - Volume 1 (with 2 texts, the “Principles” and the “Practice” texts)
  - Volume 1 & Volume 2 (with 2 texts each, so 4 texts total). You will NOT need Volume 2 for PHY151F, but you will need it for PHY152S so if you plan to take that course, this is a cheaper option than buying Volume 2 separately later.
- The text comes with free Mastering Physics software but you will NOT need it for the course. If you are buying a used copy of the text, you do NOT need to purchase the Mastering Physics software separately.

**Lecture times:** Mondays, Wednesdays, Fridays 1-2pm in HS610.

**Practicals:** begin week of Sep 21<sup>st</sup> in MP126W. The Practical website can be found at:  
<http://www.physics.utoronto.ca/~jharlow/teaching/phy151Prac15.html>

<b>Marking Scheme:</b>	Final Exam (December exam period)	40%
	Midterm (Friday October 23 <sup>rd</sup> , 6:00-8:00pm)	20%
	Weekly Practicals	20%
	Weekly problem sets	17%
	Pre-lecture Reading Quizzes	3%

**Topics :** see website lecture blog page for up to date info, lecture notes & handouts

<b>Overview:</b>	<b>Topic</b>	<b>Chapters</b>
	Intro & Motion in 1D	1-3+lecture notes
	Galilean & Special Relativity	6,14+lecture notes
	Momentum, Energy	4,5+lecture notes
	Interactions, Forces, Work	7-9+lecture notes
	Motion in 2D & 3D, circular motion	10,11+lecture notes
	Rigid Body Motion	12+lecture notes

**Accessibility Needs:** The University of Toronto is committed to accessibility. If you require accommodations for a disability, or have any accessibility concerns about the course, the classroom or course materials, please contact Accessibility Services as soon as possible: [disability.services@utoronto.ca](mailto:disability.services@utoronto.ca) or <http://studentlife.utoronto.ca/accessibility>