



#### About the "First Year Undergraduate Office"

- McLennan Labs MP129
  - 1<sup>st</sup> Floor, North Wing
- Ms. April Seeley is at the front
- Dr. Savaria's office is there
- Previously: Ms. Seeley was only there in the afternoons
  - If Dr. Savaria was not in his office, the room was locked
- Ms. Seeley is now there all day

# About the Lab

- The lab home page is: <u>http://faraday.physics.utoronto.ca/IYearLab.html</u>
- Start dates, preparation for your 1<sup>st</sup> lab, etc. can be found by going to News from this page
- Dr. Deyirmenjian informs me that the although you should do the Error Analysis Assignment you "are not required to hand it in for grading."

#### Reminder: About Questions From You During Class

- Only Physics questions please
  - I will try to "triage" and choose questions I think are of general interest
  - I will save questions in the last 5 minutes of class for next time
- Administration questions:
  - Course/Lab home pages
  - Dr Savaria before class
  - Me after class (if I know the answer)

## Writing is a "Good Thing"

- Gets hand-eye-brain coordinated
- Reading a textbook
  - Fiction: a page a minute
  - Any textbook: this is much too fast
  - Taking detailed notes slows you down
  - Also helps you to concentrate
  - Copy figures, definitions, equations
  - Fill in missing steps of derivations
  - Your choice: keep the notes or not





## Some "Tips" from Previous PHY138 Students

- "Keep a sheet of paper free during lectures and write down any relevent [sic] formulas on it the moment you learn it."
- "... but the cheat sheet is never any use it's either you know it or you don't."
- "Keep up with the homework!"
- "DO MP YOURSELF!"
- "Draw diagrams and label clearly!"

#### More "Tips" from Previous PHY138 Students

- "You should ALWAYS write the information you're given in a problem. If v1=10 m/s, WRITE IT DOWN! Whether it's known or unknown. This helps greatly, trust me."
- "Plugging numbers should ALWAYS be the second last step. The last step, of course, is to write the answer."
- "It's more important to understand the concepts involved."

From biome

# Last Time

- Introduce Forces
- Newton's Second Law: a = F<sub>net</sub> / m
- Newton's First Law: If F<sub>net</sub> = 0, a = 0
- Inertial Reference Frames
- Equilibrium
- · Mass & Weight
  - Apparent Weight

# Today

- Finish Chapter 5: a couple of examples
- Chapter 6: Dynamics II: Motion in a Plane
  - Perhaps we will finish this chapter











