

Lecture 1

(Introduction to Class)

Physics 161-01 Spring 2012

Douglas Fields

My Info

- Instructor : [Dr. Douglas E. Fields](#)
- Office Location : Room 1148, Physics and Astronomy Building (Northwest Wing)
- Office Phone : 277-1466
- Office Hours : Mon. 1:00 - 3:00pm (CAPS, 3rd floor Zimmerman), Tues. 1:00 - 2:00pm (CAPS, 3rd floor Zimmerman) & Wed. 3:30 - 5:00pm (CAPS, 3rd floor Zimmerman)
- Email : fields@unm.edu

General Class Info

- **Class Web Page :**
http://panda.unm.edu/courses/fields/phys161/Physics161_SP12.html
- **Class Times : MWF 10:00 – 10:50am**
- **Class Location : Regener Hall, Room 103**
- **Problems Class Times/Location : Mon. 11:00 – 11:50am (Fields/Reg 114);**
- **Text Book : Young and Friedman *University Physics* 13th Edition, Pierson, Addison, Wesley**

Other Help For Class

- Graders: Yi Wang (everpeja@gmail.com)
& Benjamin Bethge (bbethge@unm.edu)
- Special Instructor : Paige Mankey
(pmankey@unm.edu)

Grades

- **CPS = 10%; Mastering Physics = 15%;
Written Homework = 15%; Exams (best 3 of
4) = 40%, Final = 20%**
- **$A^+ = >97$, $93 < A < 97$, $90 < A^- \leq 93$, etc.**
- **Passing = $>73\%$**

Clickers

- If you don't already have one, you will need to purchase an iClicker.
- Every day I will ask in-class quizzes which you will answer via your clickers.
- You are encouraged to talk to each other to answer these questions.
- These will count towards 10% of your grade. Any answer gets you 1 point (attendance), a correct answer gets you 2 points (paying attention).

Registering Your iClicker

- <http://www.iclicker.com/registration/>
- Use **your name** as it appears in banner.
- For student ID, **use your banner ID**.
- Clicker ID is on the back of your clicker.
- You only need to register your clicker once, so if you used it last semester (and registered it), then you don't have to do this.

Register Your i>clicker

Have questions about clicker registration? See our registration [Frequently Asked Questions](#) or contact us at support@iclicker.com or 866-209-5698.

Thank you for using i>clicker! Please complete the form below. Your professor will then be able to give you credit for using your i>clicker in class.

First Name:

Last Name:

Student ID:

Clicker ID:

[Having trouble finding your clicker ID?](#)



Please type in the verification word in the image

ENTER

Mastering Physics

- <http://www.masteringphysics.com/>
- Two types of homework due before class every day:
 - Pre-Class
 - Designed to get you to read the chapter ***before*** I lecture
 - Fairly easy
 - Post-Class
 - Designed to tell you if you understood the material
 - A bit harder

Registering for MP

- Class ID is **PHYS161SP12**
- For your student ID, *use your banner ID*.

Written Homework

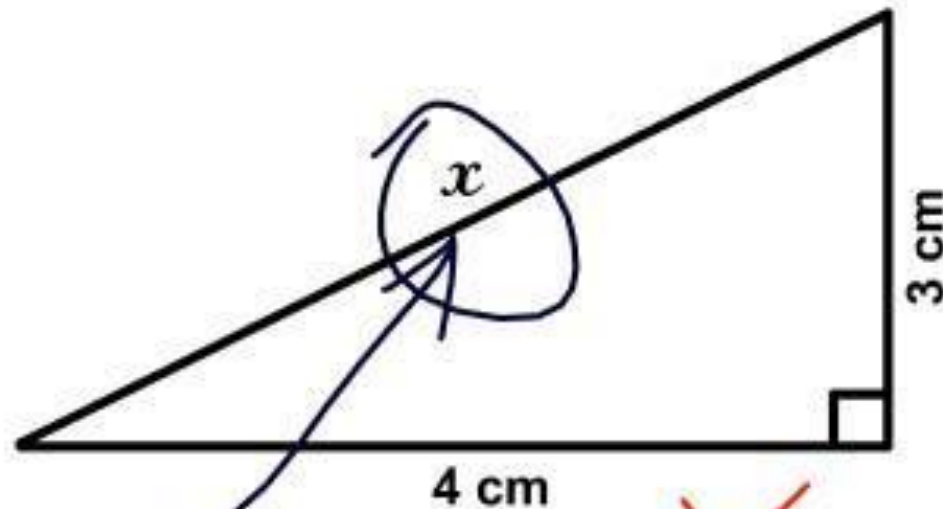
- About 4 problems out of the book due at the beginning of the class *after* we finish a chapter.
- Harder than the MP online homework.
- Work neatly so the grader can read what you have done. ***The correct answer is not as important as how you got there.*** You ***MUST*** show all work.
- Be sure to put your name and box number on homeworks (box number will be assigned next class)

Exams

- There will be four exams.
- I will use the grade of the best 3, so you can miss one exam.
- **I will not allow any make-up exams.**
- The final exam is comprehensive.

What Not to do on an Exam

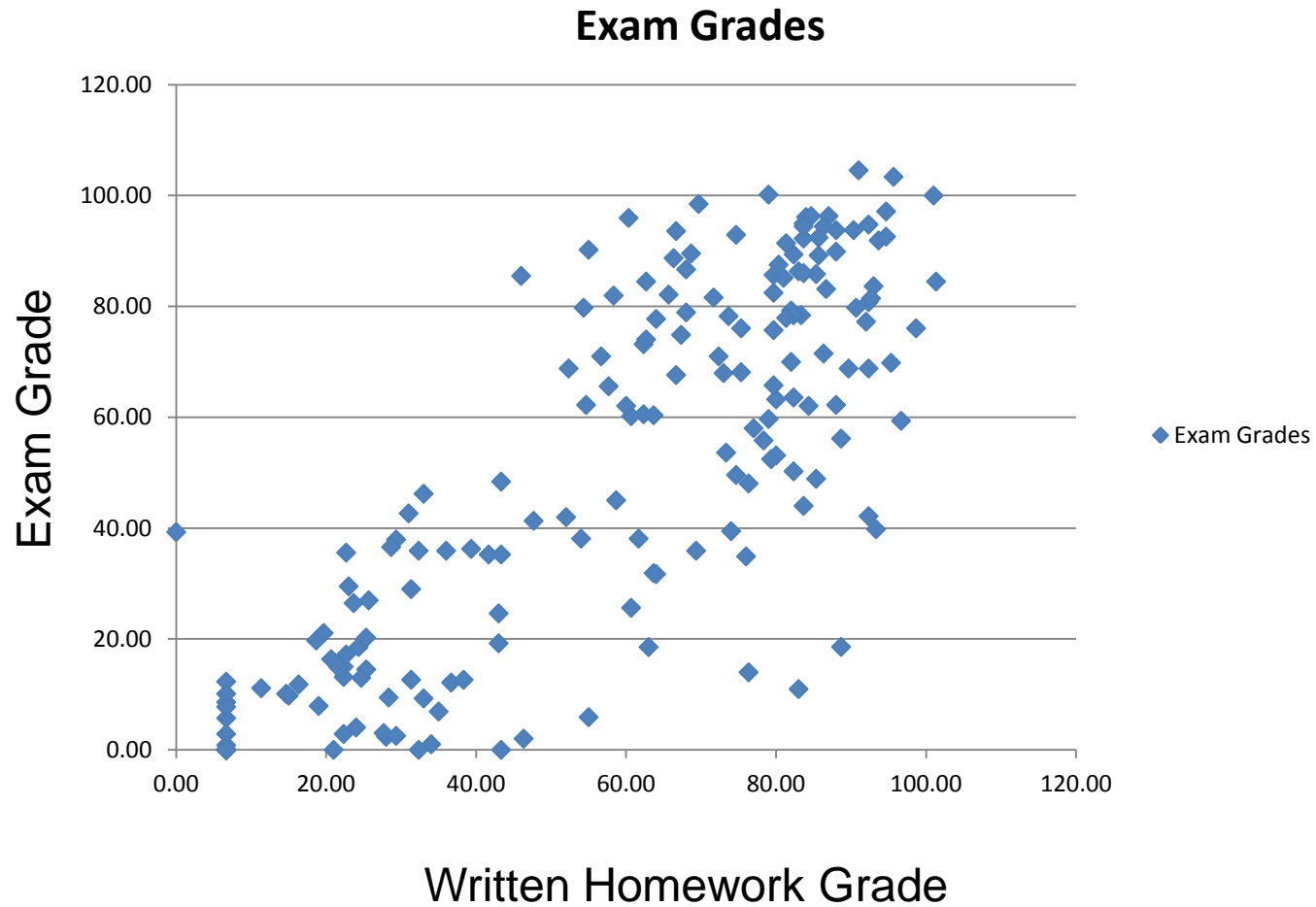
3. Find x .



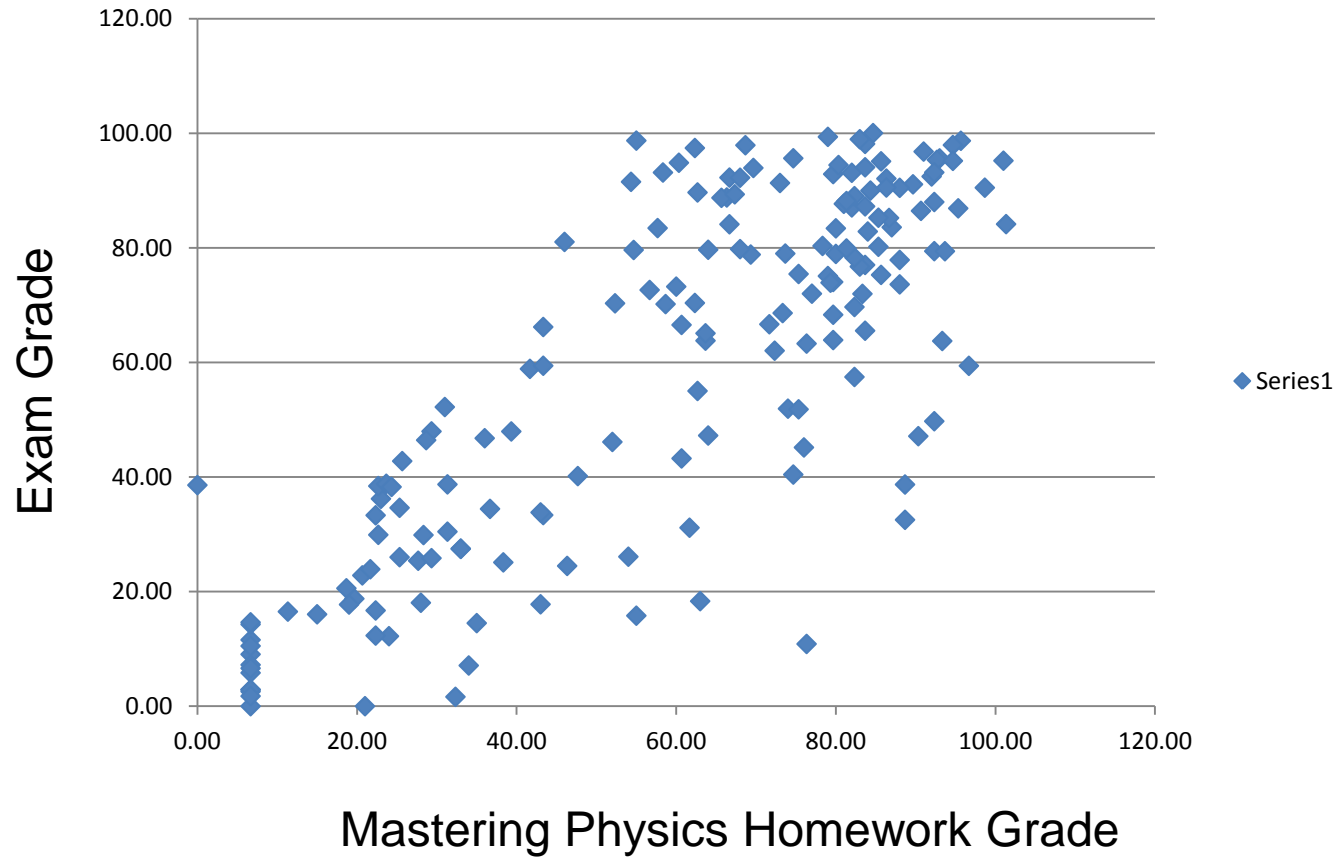
Here it is



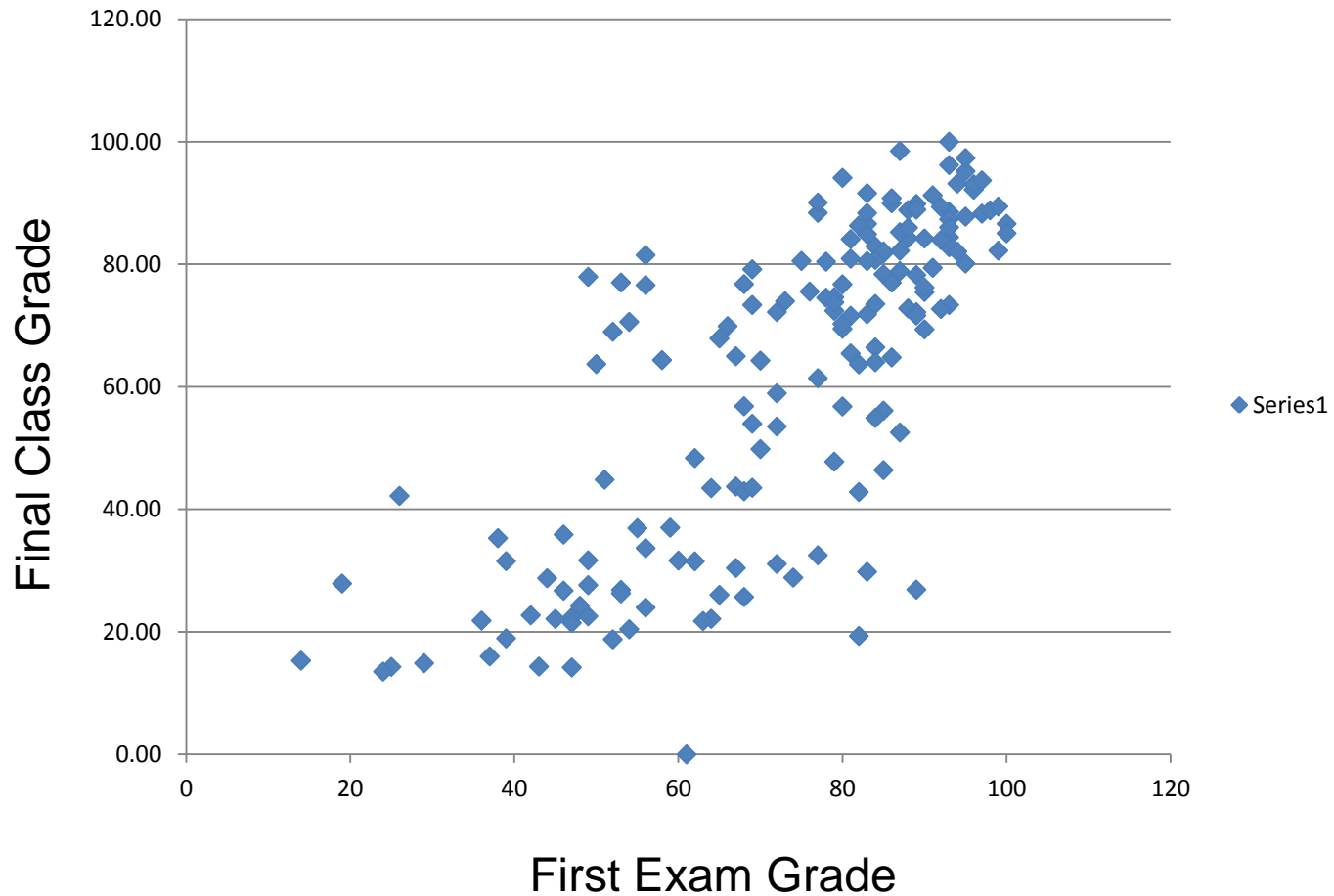
Doing Homework



Doing Homework



Wishful Thinking



Review

- For the upcoming chapters on thermodynamics, it is important to review a few concepts from mechanics:
 - Forces and pressure.
 - Work, energy and energy conservation.
 - Potential energy and potential energy graphs.
 - Momentum and momentum conservation.