CONTACTING DANNY

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COURSE ACTIVITIES

- Projects (2 of them; Mar 3 & May 1) - 20% each
- In-Class Quizzes (7 of them; Every other Friday; 1 dropped) - 20%
- Homework (14 of them; Due on Mondays; 1 dropped) - 40%
- Clickers - Extra Credit - up to 5% bonus

Much more detail on website

WELCOME TO PHY 482

ELECTRODYNAMICS

Prof. Danny Caballero

IMPORTANT SITES

- Course Webpage: dannycab.github.io/phy482msu/
- Discussion Forum: piazza.com/msu/spring2017/phy482 (*Check your email*)

THIS WEEK!!!

- Homework 1 is already up (Due Jan. 16)
- Read (seriously do this!) Griffiths Ch 7.1.1-7.1.2 (Review? Chs 1-6)
- Download Anaconda distribution of Python

Stay up-to-date by checking website, calendar, and discussion forum regularly.

PROJECTS

INDIVIDUAL PROJECT (MAR. 3)

- Literature review of some interesting topic in E&M (3-4 pages)
- Homework questions will support you on this
  - See syllabus for sample questions
- Paper should be typed, inline references, bibiography, etc.
- Evaluation rubric will be ready in a couple of weeks

Learning is a social and collaborative act!

HOMEWORK HELP SESSION

Evening session once per week (Location TBD)

Question to you: When should we do this?

A. Wednesdays 4-5pm
B. Wednesdays 5pm-6pm
C. Thursdays 4pm-5pm
D. Thursdays 5-6pm

Times restricted by classroom availability

Reminder: Homework is due on Mondays.

COMPUTATIONAL HOMEWORK PROBLEMS

- We will be using Python on homework problems this semester.
- Installation instructions appear on the piazza site.
- Homework solutions should take the form of a Jupyter notebook, which you can print to PDF and turn in.
- If you get stuck somewhere, post on piazza, so your classmates benefit from your question.

QUESTIONS?

PROJECTS

PAIR PROJECT (MAY 1)

- Poster presentation of an original contribution (theory and computation)
- Homework questions will support you on this
  - See syllabus for sample questions
- Can be something that has been done before that you just extend
- Evaluation rubric will be ready in a couple of weeks
- There will be a significant self-evaluation component to this also

ELECTROMAGNETISM IS THE FOUNDATIONAL FIELD THEORY OF PHYSICS

Think about everything you already know about electromagnetism (it's a lot already!).

Work with a partner to map out the electromagnetism concepts that you know and how they are related to each other.

WHAT DO YOU THINK PHY 482 IS ABOUT?