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Day 1, August 26, 2019

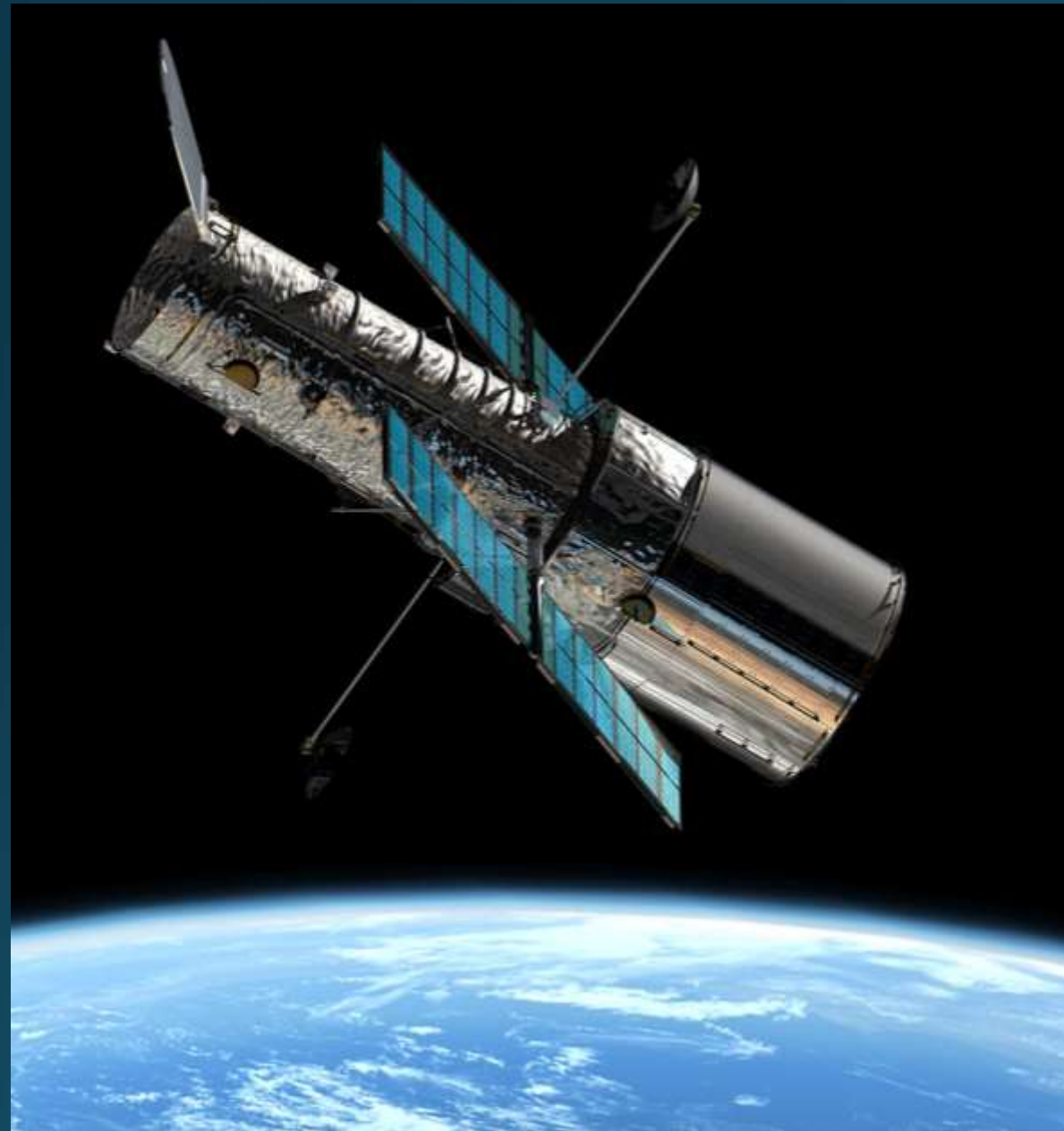
# PH 202A

Temporary website with syllabus & HW at: [evantilton.com/ph202af19](http://evantilton.com/ph202af19)

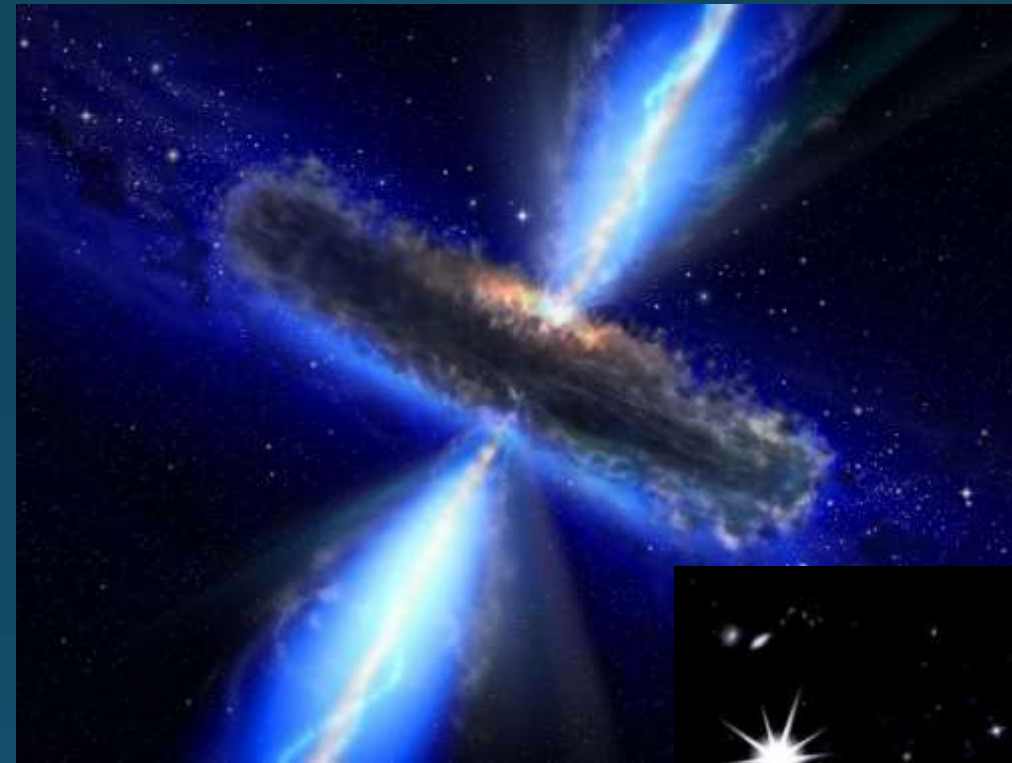
# Introductions! I'll go first.

I'm an astrophysicist! My name's Evan Tilton. You can call me Evan if you want, or Dr. Tilton if you prefer. I'm not picky.

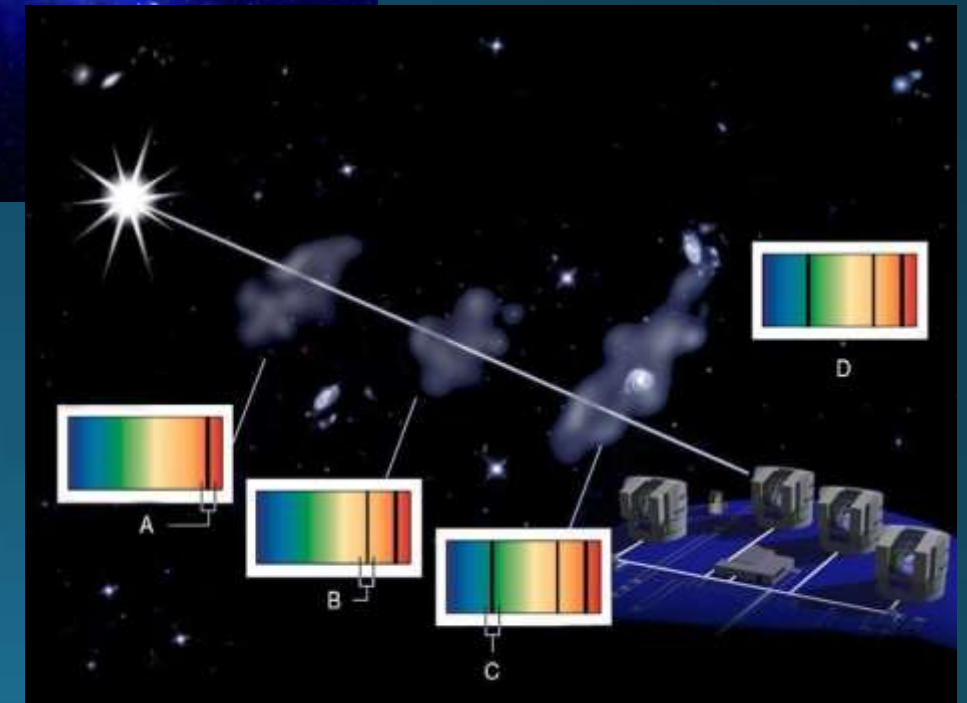
I use these



to study these



and these



# While email is down...

- I can be reached at [evan.tilton@colorado.edu](mailto:evan.tilton@colorado.edu)
- Please revert to using [etilton@regis.edu](mailto:etilton@regis.edu) once our systems are working again...

I'm usually in Carroll Hall. Room 108C.  
Come bug me. Or complain at me. It's fine!



# What about y'all?

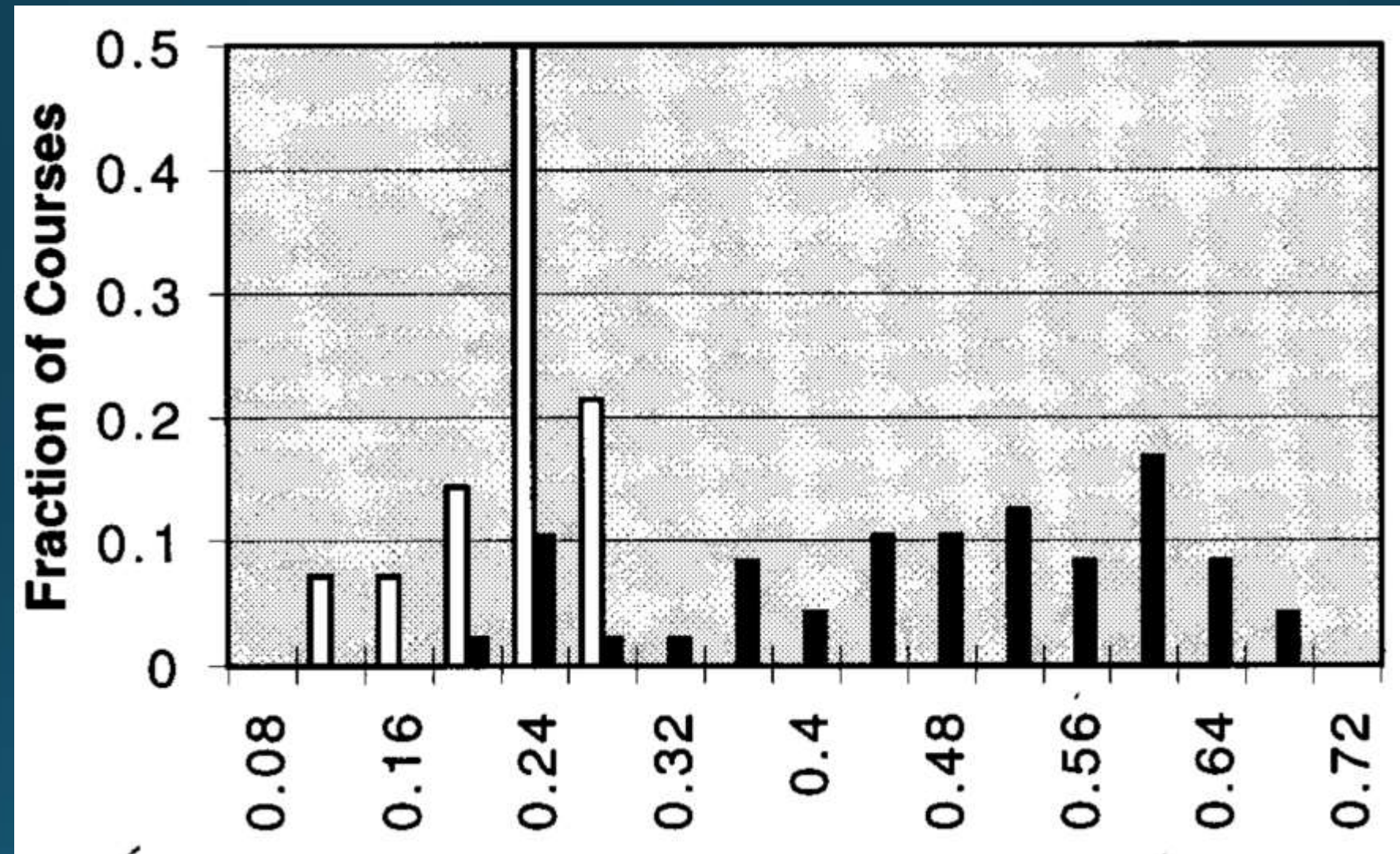
**Break into pairs!**

**Your partner should be someone you don't know.**

Find out some interesting things about them, and what gender pronouns and name they prefer us to use, and other neat-o things about them (Other than obvious things like going to Regis, your major, etc...find non-coursework-related things).

Get to know them! You'll introduce your partner to the class in a few minutes. Go!

You'll probably remember something about your partner because you were actively learning.



Learning Gains from Start to End of Course (<g>)

White = traditional lecture courses, Black = courses with active components

# It's important that you participate in all parts of this course!

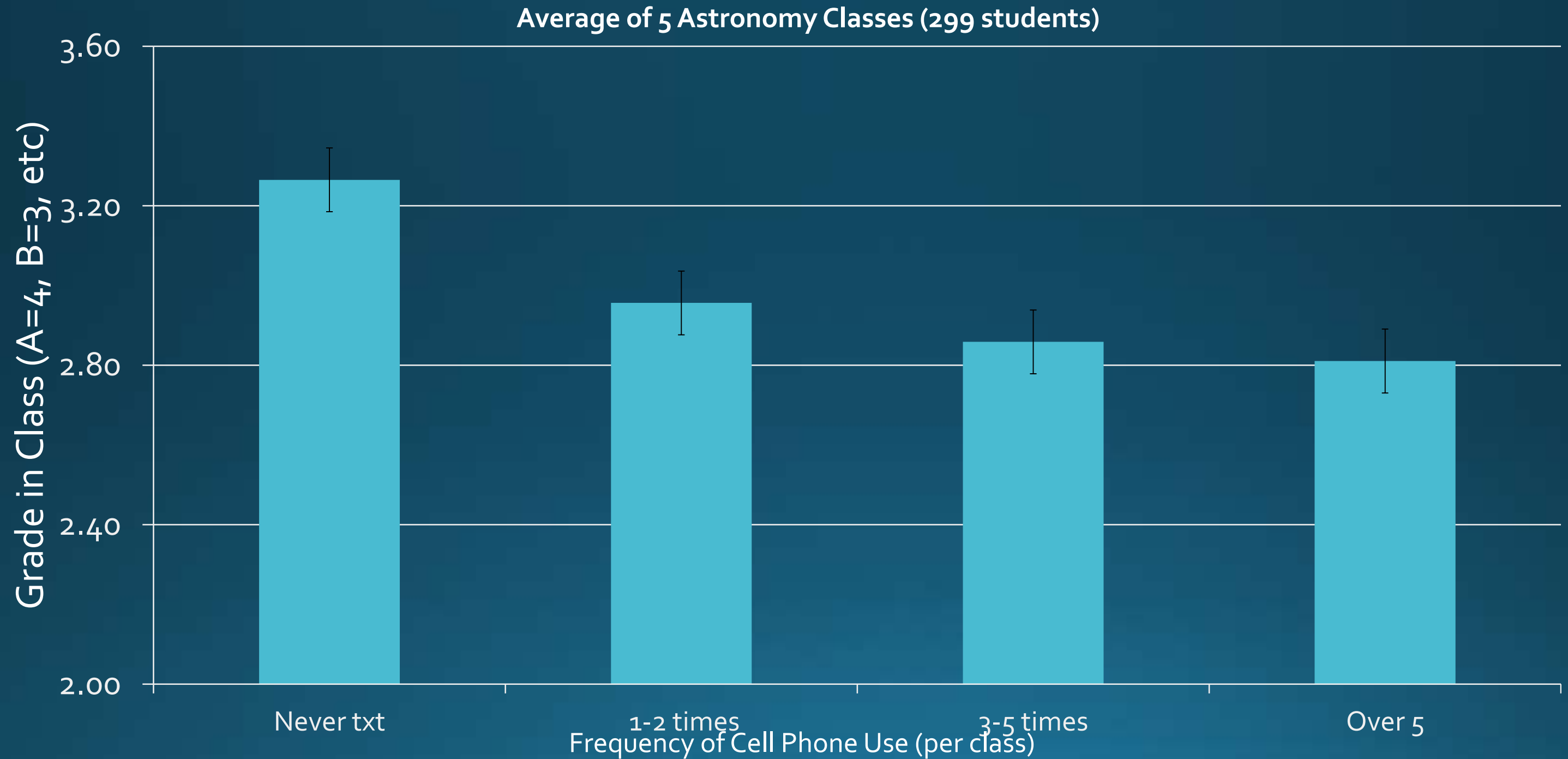
- You learn best through active discussion, working out problems, and practicing with the information. You can't be a passive learner.

All this discussion means we need to be respectful to everyone in this room.

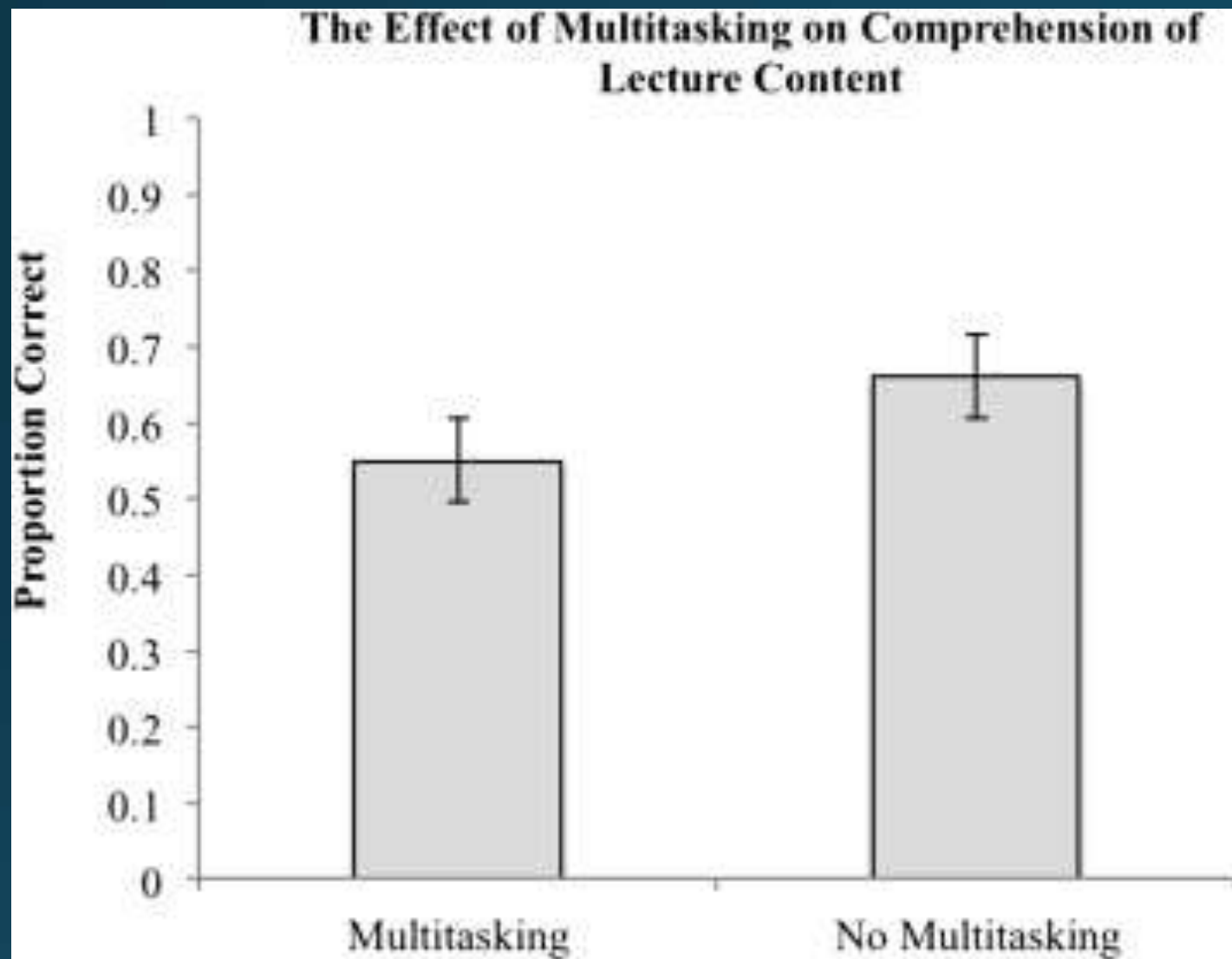


In what ways won't we be active?

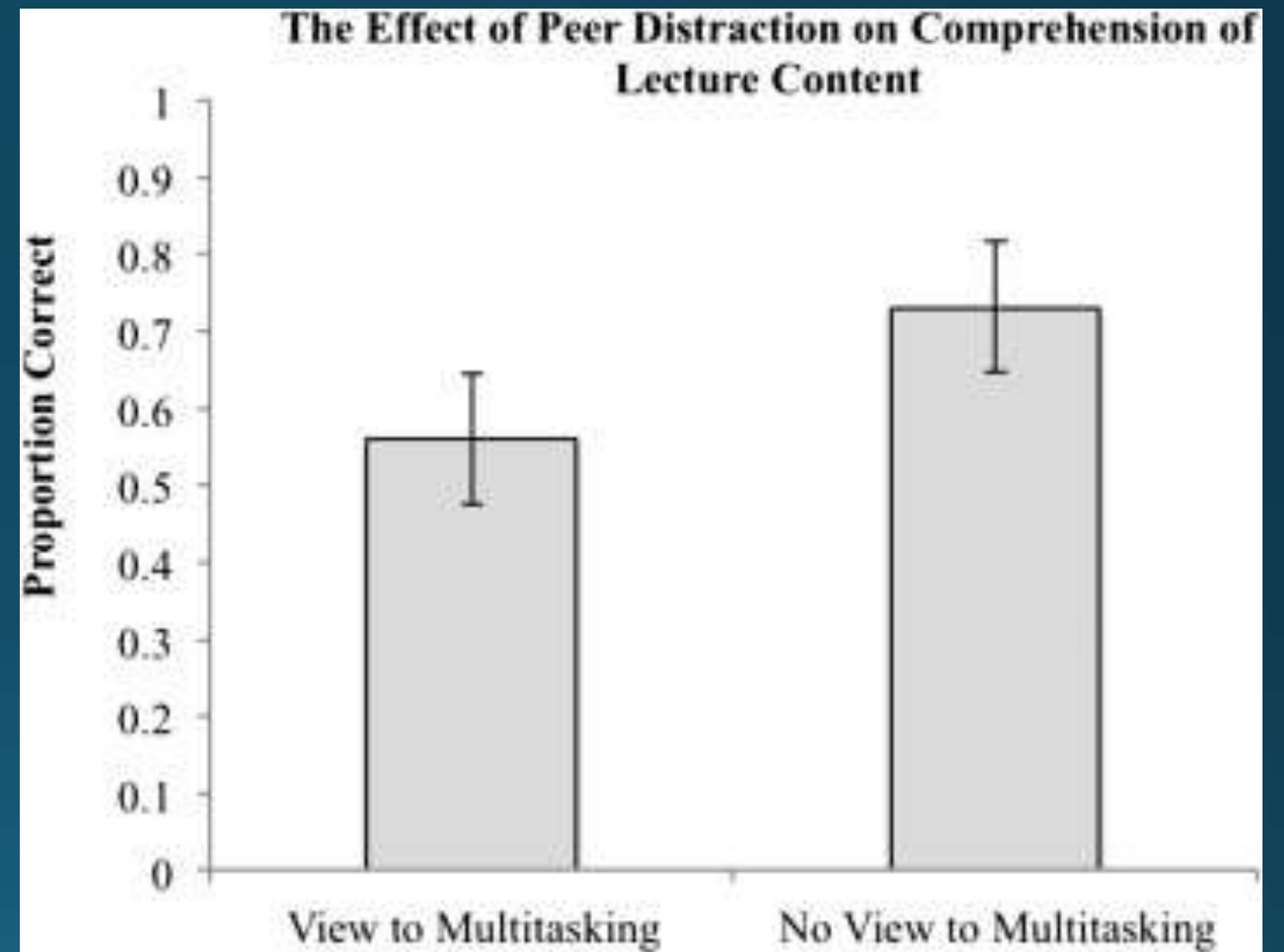
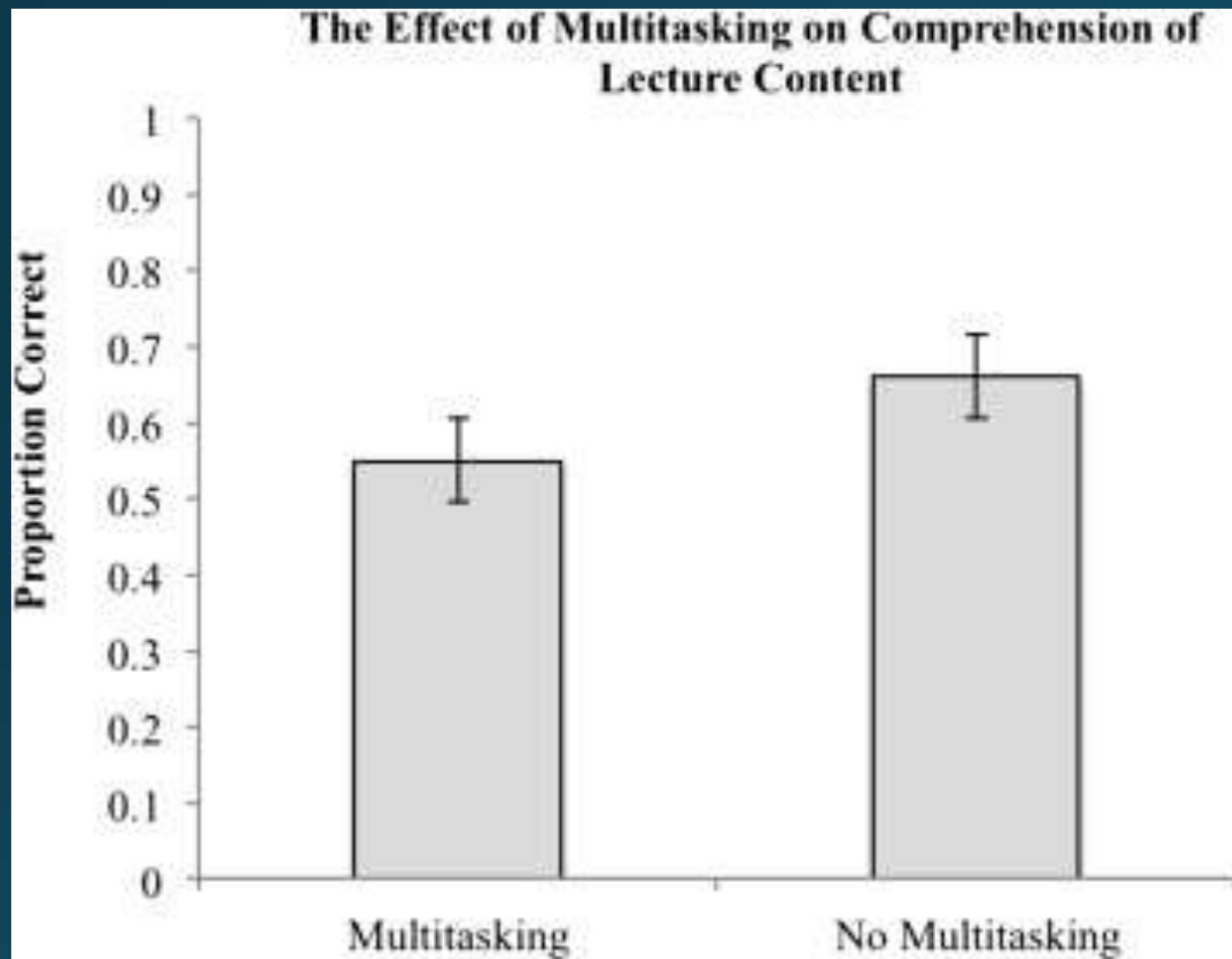
# In what ways won't we be active?



This is for *everyone's* benefit.



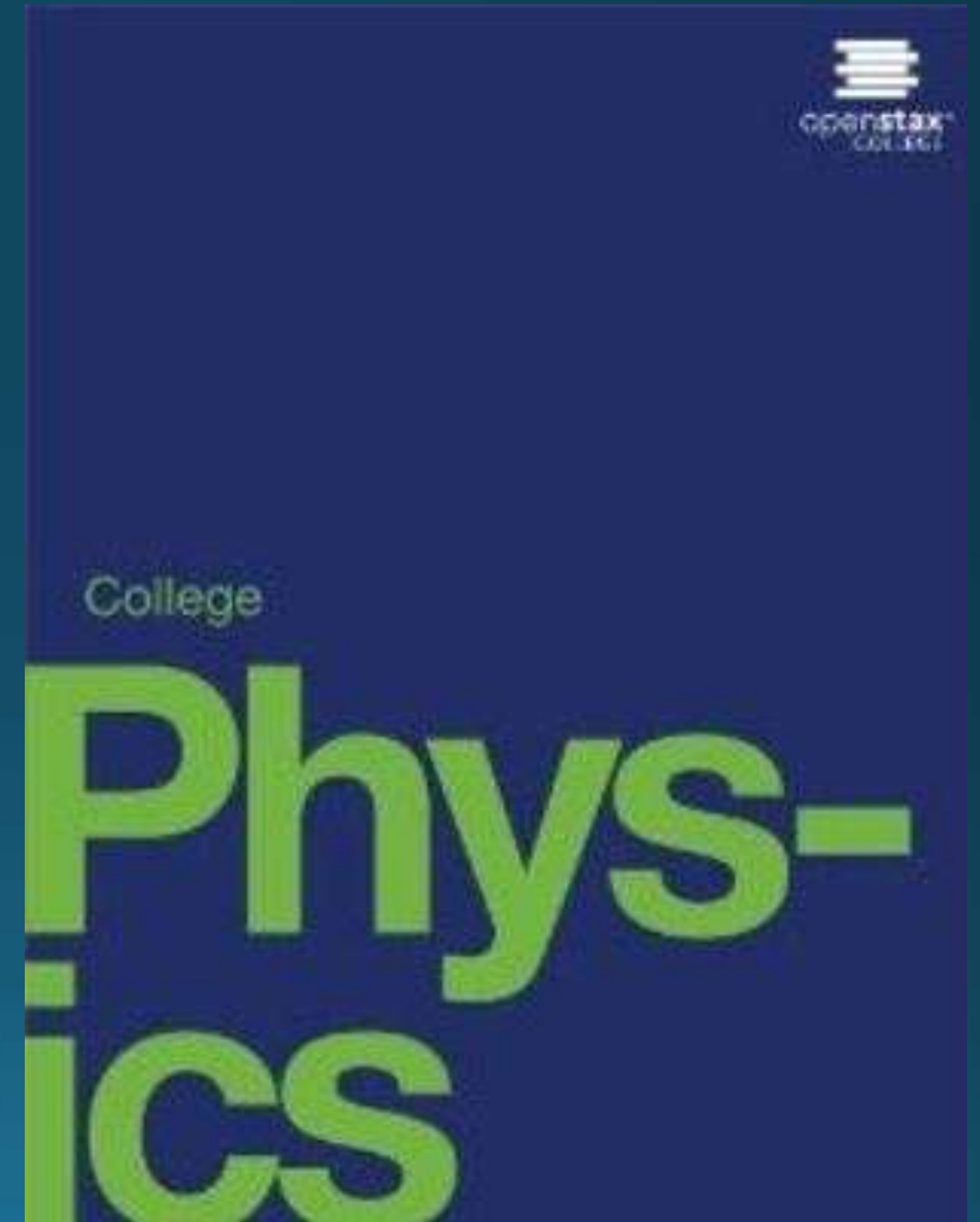
# This is for *everyone's* benefit.



# What do you need?

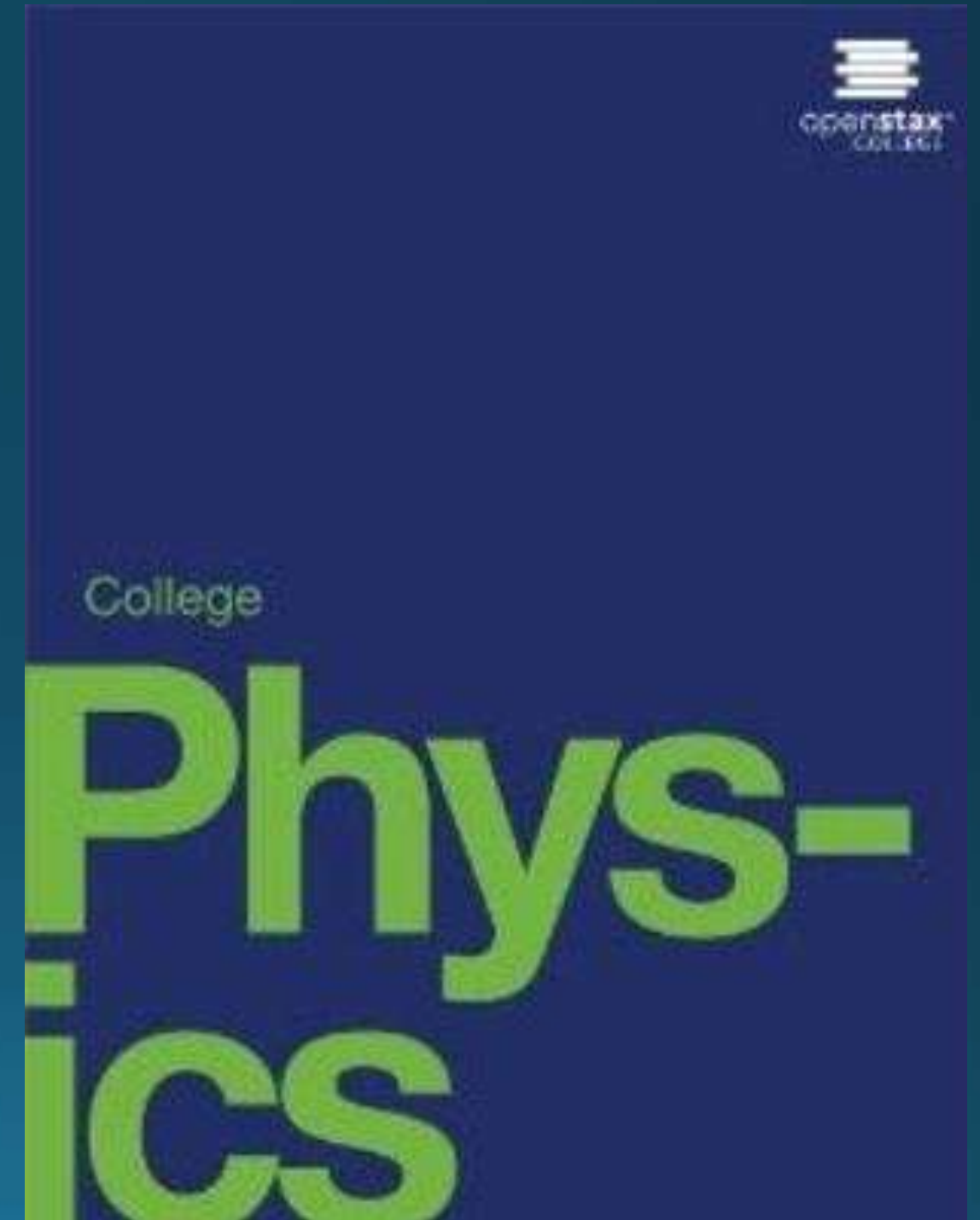
- Maybe a copy of OpenStax **College Physics** if you don't like digital books

<https://openstax.org/details/books/college-physics>



# What do you need?

- Maybe a copy of OpenStax **College Physics** if you don't like digital books
- Computer access
- A scientific calculator
- *Probably* a homework journal/notebook, and of course pens/pencils



# How will you be graded?

- 40% Homework – posted on WorldClass, submitted on paper, see syllabus...

# Get help with homework if you need it!

- Office hours – look on the syllabus!
- Tutors (Schedules should be available in a week or so) – they're free and awesome!
- Collaboration – make friends and form a study group!




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- 30% 3 midterm exams
- 15% Final exam

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- 40% Homework – posted on WorldClass, submitted on paper, see syllabus...
- 30% 3 midterm exams
- 15% Final exam
- 15% Participation



Don't be absent (or late) unless it's a truly important reason!  
Participation includes reading survey and in class work.

# So what should your study habits be like?

- Work hard while in class, and come to every class.
- Solidify your knowledge by reading the relevant textbook material.
- Do the problems on the current HW assignment that involve that day's content. DO NOT PROCRASTINATE ON HOMEWORK!
- Test your knowledge, especially as exams approach, by doing problems you've never tried before in their entirety, alone, without looking at solutions. If stuck, read or seek help until you don't get stuck on new problems.

***I can't stress this enough: You cannot cram for physics. Don't!***

# Your to-do list:

- Get yourself the materials you'll need, if you're missing any.
- The first homework is up at [evantilton.com/ph202af19](https://evantilton.com/ph202af19).
  - It is due on **Friday by 9:00am**.
- Complete the pre-course survey at [evantilton.com/ph202af19](https://evantilton.com/ph202af19) by Friday at 9am for **bonus** homework credit
- Read OpenStax College Physics Sections 1.1 & 1.2
- The first reading survey is due by 8am on Wednesday.
  - Reading surveys will normally be on WorldClass. Temporarily, they are at [evantilton.com/ph202af19](https://evantilton.com/ph202af19).

**Don't wait to get help if you are getting lost! Come talk to me or send me an email!**

**I can't help if I don't know that there's a problem!**

Now a test...