

# Physics 1116 Fall 2019

Version 1  
Aug 28<sup>th</sup>, 2019

Course Name : Physics I: Mechanics and Special Relativity

## Instructor:

Jim Alexander  
jpa6@cornell.edu  
318 Physical Sciences Bldg (PSB)  
office phone: 255-5259  
cell phone: 607-592-2837 (emergencies only, please; use text)  
Office Hours:  
Time and day: Mondays 11:15am-1:15pm  
Location: 318 PSB

## Associated Faculty

Physics 1116 Labs:  
Prof. Natasha Holmes  
ngholmes@cornell.edu

## Graduate student Teaching Assistants:

Jaron Kent-Dobias  
[jpk247@cornell.edu](mailto:jpk247@cornell.edu)  
Office Hours: Thursdays 12-1pm  
Location: PSB 425-A or 425-K depending on availability

Ethan Chen  
[yc2377@cornell.edu](mailto:yc2377@cornell.edu)  
Office Hours: Tuesdays 10-11am  
Location: Rockefeller 235

Alex Grant  
[amg425@cornell.edu](mailto:amg425@cornell.edu)  
Office Hours: Wednesdays 4:00-5:00  
Location: Rockefeller B14

## Undergraduate Teaching Assistants:

(TBD)

## Course Times and Locations

See Course Roster, Fall 2018:

<https://classes.cornell.edu/browse/roster/FA19/subject/PHYS>  
search for "1116"

## Homework Parties:

Wednesday: **TBD**

Thursday: **TBD**

### **Course Website:**

CANVAS: <https://canvas.cornell.edu/courses/4394>

### **Text:**

Kleppner and Kolenkow, "An Introduction to Mechanics" 2nd Edition  
Cambridge University Press 2014;

### **Homework and Quizzes:**

Homework assignments will be due approximately once/week. One or two problems on each homework will be graded carefully, while the remainder will be only checked. The problems to be graded carefully will be indicated, and a well-written write-up is required for these. (Details will be provided.)

Quizzes will be administered regularly in section immediately after homeworks are turned in (ie, same day or next day, depending on section schedule). There will be approximately 12 homeworks and 12 quizzes. The lowest two quiz grades will be dropped in calculating your quiz score. Quizzes will directly address one or more topics covered in the homework you just turned in.

Working together on the homework is encouraged, but the submitted work must comply with the Cornell Code of Academic Integrity (<http://cuinfo.cornell.edu/Academic/AIC.html>). In particular: "A Cornell student's submission of work for academic credit indicates that the work is the student's own. All outside assistance should be acknowledged, and the student's academic position truthfully reported at all times..."

**Hunting down solutions that may be floating around on the internet is VERY STRENUOUSLY DISCOURAGED.**

Homeworks are due by 5pm on Fridays (usually -- watch the calendar -- exceptions will be announced in class) in the homework boxes outside of Clark 123. Late homeworks get 0 credit.

### **Exam Schedules:**

Prelim 1	PHYS 1116	~week of 9/30
Prelim 2	PHYS 1116	~week of 11/04
Final	PHYS 1116	~ Dec 8

### **Labs:**

See Prof. Holmes' Lab Schedule and other documentation

### **Grading:**

Prelim 1	16%
Prelim 2	16%
Final Exam	16%
Quizzes	20% (two lowest scores dropped)
Homeworks	16% (two lowest scores dropped)
Labs	16%

