

1/25/07 version

## Welcome to Physics 1B, "General Physics - Electricity and Magnetism", for Winter Quarter 2007<sup>1</sup>.

This course is taught by Professor David Kleinfeld. His office is 7202 Urey Hall, his laboratory is 7108 Urey Hall, his office phone is 858-822-0342, and his e-mail is [dk@physics.ucsd.edu](mailto:dk@physics.ucsd.edu).

Class meets on Mondays, Wednesdays, and Fridays from 1:00 to 1:50 PM in 2001 Warren Lecture Hall.

Prof. Kleinfeld will be directly assisted by Mr. Morgan Brown ([mjbrown@ucsd.edu](mailto:mjbrown@ucsd.edu)) and Ms. Laura Tucker ([singingscientist@gmail.com](mailto:singingscientist@gmail.com)).

- Mr. Brown will lead a problem session, scheduled from 6:00 to 9:00 PM on Sunday evenings in 1330 HSS.
- Ms. Tucker will lead a problem session, scheduled from 5:00 to 7:00 PM on Wednesday afternoons in 7130 Urey Hall (CTBP conference room).

The course coordinator, who handles all administrative issue, is Ms. Patti Hey. Her office is 118 Urey Hall Addition and her e-mail is [plhey@physics.ucsd.edu](mailto:plhey@physics.ucsd.edu).

The website for the course is [http://physics.ucsd.edu/neurophysics/physics\\_1b.html](http://physics.ucsd.edu/neurophysics/physics_1b.html).

The prerequisite for the course is satisfactory completion of Physics 1A and ease with algebra, trigonometry, and elementary calculus, *i.e.*, completion of Math 10A (20A) and concurrent enrollment in Math 10B (20B).

It is essential that you work the problems assigned as homework each week as a means to gain a thorough understanding of the material.

- Problems will be reviewed during the Thursday and Sunday problem sessions.
- Solutions to the weekly problems will be posted on the course website by Friday mornings.

In case that you feel additional help is necessary:

- Individual assistance is available through the Physics Department tutorial center, located at 2101 Mayer Hall and open Sunday to Thursday from 3:00 to 8:00 PM. See <http://tutorialcenter.ucsd.edu/> for updated information.
- Prof. Kleinfeld and Mr. Brown are pleased to answer your questions from 9:00 to 11:00 AM on Wednesdays and 2:00 to 4:00 PM on Fridays, in Urey 7202. If you cannot make these regular office hours, contact either Prof. Kleinfeld, Mr. Brown, or Ms. Tucker for a separate appointment.

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<sup>1</sup> Concurrent enrollment in the Physics 1B laboratory is required. Laboratory information can be found at <http://www-physics.ucsd.edu/students/courses/winter2007>.

With regard to grading:

- Each of the 5 quizzes counts 10 % towards computing your numerical grade. There are 5 to 10 multiple-choice questions per quiz. Roughly half of the quiz is based directly on the homework problems.
- The final examination counts 50 % towards computing your numerical grade.
- There will be no make-up quizzes. If you miss a quiz for good reason you may make up those points on the final exam.
- Final grades are "curved", i.e., the decision to award letter grades is based on breaks in the distribution of total scores and *not* on a presumed numerical target.
- You must purchase your own Scantron forms for quizzes (No. X101864-PAR) at the Bookstore or the General Store Co-op for \$0.15 each.
- You will need a No. 2 pencil to fill in a Scantron form.
- A potential ugly issue concerns cheating. The UC Policy on Integrity of Scholarship may be found in the course catalog or online. I will give no quarter to cheaters.

I look forward to a wonderful classroom experience, filled with exciting and interactive demonstrations of physical principles and comments on the relation of basic physics to biological function.

A handwritten signature in black ink, appearing to read "David Campbell". The signature is written in a cursive, flowing style with some loops and flourishes.