Graduate Student Instructor (GSI) Application
Due Friday, April 10, 2015

(First-time applicants must submit a copy of their undergraduate transcript - unofficial copy okay.)
Graduate students are limited to 8 semesters of teaching without having advanced to candidacy. Summer Sessions do not count towards the 8 semester teaching maximum or promotion to the next step level.

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The Physics Department anticipates it will only appoint 50% (20 hr/wk) GSIs. 25% (10 hr/wk) appointments will only be considered in exceptional cases, and will have lower priority for appointment.

[ ] I will be on a fellowship with appointment restrictions.

[ ] I will hold an additional appointment.

Name of Fellowship

List physics courses in order of teaching preference. Non-Physics Majors should apply for lower division physics courses only (7A, 7B, 8A, 8B, C10, and C21, if offered). Physics majors must list at least two regular (not Honors) lower division physics courses. Advanced physics graduate students (third year and upwards) must include at least one required graduate course among their preferences:

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Head GSI? [ ] Yes

Please see other side for a list of short course descriptions of physics lower division course for which we hire outside graduate students.

Non-Physics applicants must have permission from his/her faculty adviser to teach 20 hr/wk.

Registered Fall 2015 graduate student? [ ] No [ ] Yes Department:

Entered UCB: Current GPA: Number of Incompletes:

Faculty Advisor (print name): Department:

Above listed graduate student has my approval to teach 20 hr/wk in the aforementioned semester.

Faculty Advisor Signature Date

Please list all prior UC Berkeley teaching experience (GSI appointments):

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Are you currently, or have been previously employed by UCB? [ ] No [ ] Yes

If yes, in what department?: Title of appointment:

Date of appointment from: to: hours/week:

The Physics Department will email tentative GSI appointment offers beginning April 20, 2015. Should you decide to accept an appointment offer, you may have to complete employment forms. Hiring order is as follows: 1) physics graduate students, 2) continuing or returning Physics GSIs from outside departments with high GSI evaluation scores, and remaining qualified applicants.

All GSIs (new and returning) are required to attend pertinent GSI orientation and training sessions starting August 19, 2015. Please note that Physics GSIs will be selecting their discussion and laboratory sections at the Physics GSI Organizational Meetings on Monday, August 24, 2015, 10 am, 50 Birge.

Instruction begins Wednesday, August 27, 2015.

Non-native speakers of English who must demonstrate oral English proficiency to be appointed as a GSI must have passed the OPT before the semester begins - please attach a copy of your OPT report. Please see Donna Sakima for information about the Language Proficiency Program or how to register for an exam.

GSI APPLICATIONS DUE: FRIDAY, APRIL 10, 2015

Please return your application to Donna Sakima in 370 LeConte or to sakima@berkeley.edu
Lower Division Courses Suitable for GSIs for Outside the Physics Department

7A. Physics for Scientist and Engineers. (4) Three hours of lecture and four hours of laboratory/workshop per week. Prerequisites: High School physics, Math 1A or Math1AS; Math 1B or Math 1BS (may be taken concurrently). Mechanics and wave motion. (F, SP) Staff

7B. Physics for Scientist and Engineers. (4) Three hours of lecture and four hours of laboratory/workshop per week. Prerequisites: 7A; Math 1A-1B, Math 53 (may be taken concurrently). Heat, electricity and magnetism. (F, SP) Staff

8A. Introductory Physics. (4) Students with credit for 7A will not receive credit for 8A. Three hours of lecture and four hours of discussion/laboratory week. Prerequisites: Mathematics 16A or equivalent or consent of instructor. Introduction to forces, kinetics, equilibria, fluids, waves, and heat. This course presents concepts and methodologies for understanding physical phenomena, and is particularly useful preparation for upper division study in biology and architecture. (F, SP) Staff

8B. Introductory Physics. (4) Students with credit for 7B or 7C will not receive credit for Physics 8B. Three hours of lecture and four hours of discussion/laboratory section per week. Prerequisites: 8A or equivalent. Introduction to electricity, magnetism, electromagnetic waves, optics, and modern physics. The course presents concepts and methodologies for understanding physical phenomena, and is particularly useful preparation for upper division study in biology and architecture. (F, SP) Staff

C10. Descriptive Introduction to Physics. (3) Three hours of lecture and one hour of discussion per week. Prerequisites: Open to students with or without high school physics. The most interesting and important topics in physics, stressing conceptual understanding rather than math, with applications to current events. Topics covered may vary and may include energy and conservation, radioactivity, nuclear physics, the Theory of Relativity, lasers, explosions, earthquakes, superconductors, and quantum physics. (F, SP) Staff

C21. Physics of Music. (2) Two hours of lecture and one hour of discussion per week. Prerequisites: No previous courses in physics are assumed, although Physics 10 is recommended. Physical principles encountered in the study of music. The applicable laws of mechanics, fundamentals of sound, harmonic content, musical scales. Numerous illustrative lecture demonstrations will be given. Only the basics of high school algebra and geometry will be used. (SP) Staff