

- Time & Place:** Tu, Th, 8–9:30am, 325 Le Conte Hall
- Office Hours:** 545 Birge, Tuesdays 10–11am; Thursdays 11am–noon
If you need to schedule a special appointment, please see me after class.
- GSI:** Padraig Murphy (pronounced Pawed-rig) padraigmurphy@gmail.com
Office hrs: Thursday 2–4, 465 Birge
- Discussion Sections:** Sec. 1 - Tu 1–2pm, 51 Evans (No discussion section first week.)
Sec. 2 - Th 1–2pm, 55 Evans (No discussion section first week.)
- Course webpage:** <http://civet.berkeley.edu>
- Prerequisites:** Physics 137A and 137B
- Text:** C. Kittel's *Introduction to Solid State* (8th edition)
- Grading & exams:** Problem sets—30%; 2 midterm exams (in class)—30%; final exam (3hrs)—40%.
- Problem Sets:** Due before 5:00pm on due date in the 141A box in 251 LeConte Hall (the Reading Room). Late problem sets will be graded but will not count much (20% off each day late). Graded sets will be returned in 1–2 weeks. Uncollected problem sets, written materials, late problem sets, etc. are handled by the GSI.
- Course Outline:** My tentative plans are to cover most of the materials contained in Chapters 1–10 of Kittel's book.
- Other Books:** There is no “one great book” on Solid State Physics, although Kittel's book is excellent. It is thus sometimes useful to seek out texts other than Kittel to help you understand the concepts and problems. The course will be organized along the lines of Kittel, since I like how it is organized. However, Kittel sometimes doesn't explain things in details for the novice. So read Kittel, and then for the things you don't understand, look them up in Ashcroft and Mermin or the other recommended texts give below. **Note:** The main source for this course is the lectures. ***You are responsible for all materials discussed in class.***

Recommended books (in order of preference):

- Solid State Physics* by N.W. Ashcroft and N.D. Mermin (undergrad/grad level)
Solid-State Physics by H. Ibach and H. Lueth (undergrad/grad level)
Condensed Matter Physics by P. Marder (undergrad/grad level)