This course will provide an introduction to solid-state physics, with an emphasis on the central phenomena, and their theoretical explanation in terms of simple models based on quantum mechanics and statistical physics. The topics covered correspond to Chapters 1–10 and 18 in Kittel (8th Ed.).

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**Web:** [http://www.physics.arizona.edu/~stafford/teaching.html](http://www.physics.arizona.edu/~stafford/teaching.html)  
**Office hours:** Wed. 1:30–3:30pm

**Lectures:** TR 9:30–10:45am, PAS 220

**Grading:**

The course is graded on a curve, based on the cumulative score. The minimum cumulative percentages necessary to obtain the following letter grades will be roughly: $A \geq 85\%$, $B \geq 70\%$, $C \geq 55\%$, $D \geq 40\%$. The cumulative score will be determined as follows:

- Homework: 15\%  
- Midterm 1: 25\%  
- Midterm 2: 25\%  
- Final Exam: 35\%

**Disabilities:**

Students requiring accommodation in testing or note taking must notify the instructor and provide a letter from the Disability Resource Center by January 22, 2007.

**Required Text:**


**Additional References** (on reserve in the Science Library)

M. Marder, “Condensed Matter Physics” (Wiley, 2000)  