

Course Information PY 413 - Spring 2006

Physics 413 (Thermal Physics) provides an introduction to thermodynamics and statistical mechanics intended for undergraduate students in physics or engineering.

1. **Lecture:** MWF 9:10-10:00, rm204
Instructor: T. Schaefer, Office BOM-210, Phone 513-7199
email: Thomas_Schaefer@ncsu.edu
Office hours: Mo. 1:00-3:00 and by appointment.
2. **Homework:** Most Mondays a set of homework problems will be assigned. (You can also check the website.) The homework is due Monday the following week.
3. **Exams:** There will be one midterm exam and a final.
4. **Grade:** Your final grade will be determined by weighting the various portions of the course as follows:

Midterm: 20%
Final: 40%
Homework: 40%
5. **More Information:** Additional information related to the course is available at <http://wonka.physics.ncsu.edu/~tmschae/> .
6. **Textbook:** (required) Daniel V. Schroeder: An Introduction to Thermal Physics (Addison Wesley). Supplemental references:
 - C. Kittel and H. Kroemer, Thermal Physics
 - F. Reif, Fundamentals of Statistical and Thermal Physics
 - R. Baierlein, Thermal Physics

A typical graduate level text is L. D. Landau and E. M. Lifshitz, Statistical Physics.