Course Information PY 413 - Spring 2007

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, Dabney 220
   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 wednesdays a set of homework problems will be assigned. (You can also check the website.) The homework is due wednesday the following week.

3. **Exams:** There will be two midterm exams and a final.

4. **Grade:** Your final grade will be determined by weighting the various portions of the course as follows:

Midterms:	30%
Final:	40%
Homework:	30%

5. **More Information:** Additional information related to the course is available at `http://wonka.physics.ncsu.edu/~tmschaef/` .

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.