

# Fall 2004 Course on Statistical Mechanics: PHY 540

Instructor: M. Prakash

This course of lectures will deal with the foundations and applications of statistical mechanics. Subjects to be covered are included in the contents of the book “**Statistical Mechanics**” by **Kerson Huang** (see enclosed material).

Where necessary, the course will be supplemented by original material as well as material from other standard text books such as “Statistical Physics” by Landau and Lifshitz.

## Course timings and place:

- Room: P112
- Days: Tuesdays and Thursdays (8:20 A.M. – 9:40 A.M.)

Office hours for the course (at room A-141) will be set up in the first meeting.

## EXAMINATION AND GRADES

Grades are awarded on the basis of performance in homework assignments and three examinations. In order to decide the final grade, equal weightings (20% each) will be placed on homeworks and the two mid-term examinations. The final examination carries a 40% weighting. A late submission of homeworks will result in a lower grade.

Tentative dates for the examinations are:

- Mid-term 1: Thursday, Oct. 7 (1 hour and 20 minutes)
- Mid-term 2: Thursday, Nov 11 (1 hour and 20 minutes)
- Final: Thursday, Dec 9 (To be determined)

Make-up dates for homeworks and examinations will be awarded only in cases of proven medical emergencies.

## AMERICANS WITH DISABILITY ACT

If you have a physical, psychological, medical or learning disability that may impact on your ability to carry out assigned course work, we would urge that you contact the staff in the Disabled Student Services office (DSS), Room 133 Humanities, 632-6748/TDD. DSS will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation of disability is confidential.