Instructor: Prof. Aldo D. Migone
Office: Neckers 471
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Office Hours: MWF 11-12 and 1-2
Classes: TR 8:00-9:15 Neckers 410

Tentative List of topics to be covered:
The ensemble approach to statistical mechanics: Micro-Canonical, Canonical, and Grand-Canonical ensembles; Quantum Statistical Mechanics, Ideal gases, Bose Gases, Fermi Gases, Phase Transitions, and Critical Phenomena

Goals:
The goals for this course are for the student to become familiar with the topics in statistical mechanics that are encompassed in the list given above sufficiently so that the student will be able to analyze and solve problems related to each one of them.

Types of assignments:
- Homeworks and oral presentations

Means to be used to evaluate students:
- Homeworks: 15% of the final grade
- Presentations: 30% of the final grade (one presentation per week, one and a quarter hours long each)
- One (or more) midterm(s): 20% of the final grade
- All-inclusive, comprehensive Final Exam: 35% of the final grade

Very Tentative Grading Scale:
A: 85-100 %
B: 75-84%
C: 65-74%
D: 55-64%
F: below 55%