PHY 303 **STATISTICAL THERMODYNAMICS – Spring 2023**

Instructor: Professor Dmitry Garanin Phone: 8014
Office: Gillet 329 Email: dmitry.garanin@lehman.cuny.edu
Course schedule: Lectures Mo & We 4:0 pm – 5:45 pm at GI-331

Detailed description of this course is available online at:
http://www.lehman.edu/faculty/dgaranin/teaching-Statistical_Thermodynamisc-Fall-2012.php

Main textbook: Dmitry Garanin, THERMODYNAMICS AND STATISTICAL PHYSICS;
Also *Lecture notes for this course posted online*.

Other useful books: see online

This course is a single-semester introduction to Thermodynamics and Statistical Physics. Class participation is an essential component of the course, attendance will be checked.

Course Outcomes/Objectives: Solid qualitative and quantitative understanding of basics concepts of thermodynamics and statistical physics at undergraduate level. Building a solid foundation for subsequent graduate course.

Class topics: See detailed program online

Exams and grading:

There will be two midterm exams (thermodynamics and molecular theory + statistical physics) and a cumulative final. There will be no makeup exams, except for documented emergency. You will be earning points for the following:

Midterm exams: 15 + 15 = 30 (max)
Final exam: 20 (max)

Total: 50 (max).

There will be no dropping lowest grades and "curving". At the end the points will be converted into grades A, B, C, etc.