

PHYS 6211 Condensed Matter Physics II

Place & Time

Room S104 Mon&Wed 9:05 – 10:25 AM

Instructor & Office

Zhigang Jiang Boggs Building, Room B-18 zhigang.jiang(at)physics.gatech.edu
Office hours: Email appointment or stop by

Description

Collective and many-body properties in condensed matter systems. Topics include phonons, photons, magnetism, and superconductivity.

Textbooks

Condensed Matter Physics (Marder, 2nd edition)

Solid State Physics (Ashcroft/Mermin)

Introduction to Superconductivity (Tinkham, 2nd edition)

Grades

Homework (40%); Presentation (30%); Final Exam (30%)

Academic Integrity

I expect every student to read and comply with the Georgia Tech honor code. See <http://www.honor.gatech.edu/>.