

PHYS 6210 Condensed Matter Physics I

Place & Time

Room S204 & MWF 10:05 – 10:55

Instructor & Office

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

Description

Introduction to condensed matter physics. Crystal structure, electronic and thermal properties, response to external electric and magnetic fields.

Textbooks

Solid State Physics (Ashcroft/Mermin)
Condensed Matter Physics (Marder, 2nd edition)
Electronic Transport in Mesoscopic Systems (Supriyo Datta)

Grades

Homework (70%); 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/>