

Physics 5405: Classical Electromagnetism I
Fall 2023
Tentative Syllabus

Aug 21-28:	Introduction to electrostatics (Jackson ch 1)
Aug 30 - Sept 13:	Boundary value problems I (Jackson ch 2)
Sept 4:	Labor day, no class
Sept 18-Oct 2:	Boundary value problems II (Jackson ch 3)
Sept 27:	Test 1 (date may shift)
Oct 4-9:	Multipoles, media, dielectrics (Jackson ch 4)
Oct 11-23:	Magnetostatics (Jackson ch 5)
Oct 25-Nov 1:	Maxwell's equations (Jackson ch 6)
Nov 6:	Test 2 (date may shift)
Nov 8-27:	Plane electromagnetic waves (Jackson ch 7)
Nov 20-24:	Thanksgiving, no class
Nov 29 - Dec 6:	Waveguides, resonant cavities, optical fibers (Jackson ch 8)
Dec 8:	Final exam (1:05-3:05 pm)

All dates are approximate; time spent on any topic will be adjusted to the backgrounds of the enrolled students.