

Physics 5405: Classical Electromagnetism I
Fall 2022
Tentative Syllabus

Aug 22-29:	Introduction to electrostatics (Jackson ch 1)
Aug 31 - Sept 14:	Boundary value problems I (Jackson ch 2)
Sept 5:	Labor day, no class
Sept 19-Oct 3:	Boundary value problems II (Jackson ch 3)
Sept 28:	Test 1
Oct 5-10:	Multipoles, media, dielectrics (Jackson ch 4)
Oct 12-24:	Magnetostatics (Jackson ch 5)
Oct 26-Nov 2:	Maxwell's equations (Jackson ch 6)
Nov 7:	Test 2
Nov 9-28:	Plane electromagnetic waves (Jackson ch 7)
Nov 21-25:	Thanksgiving, no class
Nov 30 - Dec 7:	Waveguides, resonant cavities, optical fibers (Jackson ch 8)
Dec 13:	Final exam (7:45-9:45 am)

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