

EM syllabus:

(Landau Lifshitz, volumes 2 and 8)

1. special relativity
2. relativistic mechanics
3. charge in field
4. field equations
5. constant fields
6. waves
7. light
9. radiation
1. conductors
2. dielectrics
3. current
4. magnetic
7. quasi-static field
9. waves
10. waves

recommended books: Landau Lifshitz, Jackson, Feynman