Syllabus

The following is a rough syllabus for the year: You will see that most of these topics are taken directly from the text.

Fall term
- Foundations of Electrostatics
- Further Development of Electrostatics
- Methods of Solution in Electrostatics
- Spherical and Cylindrical Coordinates
- Green’s Functions
- Electrostatics in matter

Winter term
- Magnetostatics
- Magnetization and Ferromagnetism
- Time Varying Fields, Maxwell’s Equations
- Electromagnetic Plane Waves
- Electromagnetic Waves in Matter

Spring term
- Wave Guides and Cavities
- Special Relativity
- Group Theory
- The Electrodynamics of Moving Bodies