

Electrodynamics I – Fall 2011
(Physics 650)

Week 1: 22 - 26 August:

Lectures: Panofsky and Phillips 1.1 – 1.6
Quiz re vector notation and basic vector theorems

Problems: Panofsky and Phillips 1.1*, 1.2*, 1.4*, 1.5*, 1.7, 1.10;
supplementary problem 1

Week 2: 29 August – 2 September:

Lectures: Panofsky and Phillips 1.7 – 1.10, 2.1 – 2.4

Problems: Panofsky and Phillips 1.7 and 1.10, 2.1*, 2.2, and 2.3;
Jackson 4.10 and 4.11*; supplementary problem 2

Week 3: 5 - 9 September:

Lectures: Panofsky and Phillips, 3.1 – 3.6

Problems: Panofsky and Phillips 3.1*, 3.4*, 3.5, 3.8, 3.9, 3.12*,
and 3.13*

Week 4: 12 – 16 September:

Lectures: Panofsky and Phillips 4.1 – 4.11

Problems: Panofsky and Phillips 4.1*, 4.4, 4.7*; Jackson 2.13*;
special supplementary problem

Week 5: 19 – 23 September

No classes

Week 7 26 – 30 September

Lectures: Panofsky and Phillips 5.1 – 5.9

Problems: Panofsky and Phillips 5.1*, 5.4* and 5.5; Jackson 3.1,
3.3* and 3.4*

Week 8: 3 – 7 October

No Classes (tentative)

- Week 9: 10 – 14 October
Lectures: Panofsky and Phillips Chapter 5 (continued)
Midterm: Friday, 14 October
- Week 10: 17 – 21 October
Lectures: Panofsky and Phillips Chapter 6
Problems: Panofsky 6.1*, 6.2, 6.4*, 6.5*
- Week 11: 24 – 28 October
Lectures: Panofsky and Phillips Chapter 7
Problems: Panofsky 7.5*, 7.6* and 7.7; Jackson 5.3, 5.10*
- Week 12: 31 October – 4 November
Lectures: Panofsky and Phillips Chapter 8
Problems: Panofsky 8.2, 8.3, 8.4*, 8.5*. 8.6 and 8.11*; Jackson 5.21
- Week 13: 7– 11 November
Lectures: Panofsky and Phillips, Chapter 9
Problems: Panofsky 9.1*, 9.3, 9.6, 9.7* (note errata !!), Jackson 6.8*
- Week 14: 14 – 18 November
Lectures: Panofsky and Phillips Chapter 10
Problems: Panofsky 10.3, 10.4*, 10.6*; special problems 1* and 2
- Week 15: 21 – 25 November
No Classes
- Week 16: 5 - 9 December: (last day of classes: 7 December)
Reserve for follow-up
- Week 17: 12 - 16 December: Exam Week
Final Exam: ?????