

DePaul University
Department of Physics
Physics 152
Syllabus Addition

Electricity, Magnetism, and Modern Physics

Spring Quarter, 2009-2010

Required texts:

Serway and Faughn, *College Physics*, 7th ed.

Physics 152 Laboratory Manual, 9th ed., DePaul University, 2008.

Recommended:

Gordon and Serway, *Study Guide*, 7th ed.

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Physics 152 on the Web: <http://condor.depaul.edu/~jmilton>

Schedule

Week	Dates	Lecture (Chapters)	Labs (Exp #)
1	Mar 29-Apr 1	15	Basic Electrical Quantities (EM.0)
2	Apr 5-9	16, 17	Introduction to Electric Circuits (EM.1)
3	Apr 12-16	17, 18	Ohm's Law & Direct Current Circuits (EM.2)
4	Apr 19-23	16, 18	Electrical Energy (EM.4)
5	Apr 26-30	19	The RC Circuit (EM 5)
6	May 3-7	20	Electromagnetic Induction (EM.6)
7	May10-14	21, 27	Alternating Currents (EM.7)
8	May 17-21	28	The Rydberg Constant (MOD.1)
9	May 24-28	29	Attenuation of Gamma Rays (MOD.2)
10	May 31-June 4	30	No lab
11	June 7-11	Exam Week	No lab

Quiz 1, April 9, Chapter 15.1-16.4

Quiz 2, April 16, Chapter 17

Quiz 3, April 23, Chapter 18.1-4

Quiz 4, April 30, Chapter 19

Quiz 5, May 7, Chapter 20

May 14, No quiz; review Chapters 15-20

Mid-Term Exam, May 17 (Chapters 15-20)

Quiz 6, May 21 (Chapter 27.1-3 & 28.1-4)

Quiz 7, May 28 (Chapter 29)

June 4, Practice Quiz (Chapters 27-30)

Final Exam: Sections 301-304, Monday, June 7, 11:45 a.m.-2:00 p.m. (Chapters 27-30)

Sections 305-308, Thursday, June 10, 11:45 a.m.-2:00 p.m. (Chapters 27-30)

Grade Scale

Quiz 10%

Homework (WebAssign) 15%

Lab (15%)

Participation 10%

MidTerm Exam 25%

Final Exam 25%

The lowest quiz grade and lowest lab report grade are dropped