

## Fall 2007 Physics 121 Assignments

Week (Tuesday – Monday) and Topics Covered	Reading Assignments	Homework Assignments (fill in exact due dates when announced)	Lab
<b>Monday September 03</b>	<b>Labor Day</b>	<b>No classes</b>	
<b>Week 1: September 4 – 10</b> Introduction, Vectors, Scalar and Vector Fields (Lecture 1)	Instructors Notes	Begin HW 01 & Practice Probs. 1 (see ** below)	MCAD
<b>Week 2 September 11 - 17</b> Electric Charge (Lecture 2)	FOP Chap. 21, All sections	Begin HW 02 & Practice Probs. 2 (HW 01 due)	MCAD
<b>Week 3: September 18 - 24</b> Electric Field (Lecture 3)	FOP Chap. 22 Sect. 1-6, 8	Begin HW 03 & Practice Probs. 3 (HW 02 due)	201
<b>Week 4: September 25 – October 1</b> Gauss' Law (Lecture 4)	FOP Chap. 23 All Sections	Begin HW 04 & Practice Probs. 4 (HW 03 due)	202
<b>Common Exam 1: October 5</b> <b>Friday, 08:30 - 9:45 A. M.</b>		<b>Covers Weeks 1, 2, 3</b> <b>Fields + FOP Chapters 21 - 22</b>	
<b>Week 5: October 2 – 8</b> Electric Potential (Lecture 5)	FOP Chap. 24 Sect. 1 - 7, 9, 10	Begin HW 05 & Practice Probs. 5 (HW 04 due)	203
<b>Week 6: October 9 - 15</b> Capacitance (Lecture 6)	FOP Chap. 25 All Sections	Begin HW 06 & Practice Probs. 6 (HW 05 due)	205
<b>Week 7: October 16 – 22</b> Current, Resistance, DC Circuits (Lecture 7)	FOP Chap. 26 Sect. 1-5, 7 Chap 27, Sect. 1-3	Begin HW 07 & Practice Probs. 7 & 8A. (HW 06 due)	215
<b>Week 8: October 23 - 29</b> Multi-loop and RC Circuits (Lecture 8)	FOP Chap. 27 Sect. 4 - 9	Begin HW 08 & Practice Probs. 8A & 8B. (HW 07 due)	216
<b>Common Exam 2: November 2</b> <b>Friday, 08:30 - 9:45 A. M.</b>		<b>Covers Weeks 4, 5, 6, 7</b> <b>FOP Chapters 23 - 26</b>	
<b>Week 9: October 31- November 6</b> Magnetic Fields (Lecture 9)	FOP Chap. 28 1-4, 6-10	Begin HW 09 & Practice Probs. 9 (HW 08 due)	217
<b>Monday, November 5</b>		<b>Last Day to Withdraw</b>	
<b>Week 10: November 6 - 12</b> Magnetic Fields from Currents (Lecture 10)	FOP Chap. 29 All Sections	Begin HW 10 & Practice Probs. 10 (HW 09 due)	212
<b>Week 11: November 13- 19</b> Induction - I (Lecture 11)	FOP Chap. 30 Sect. 1-6	Begin HW 11 & Practice Probs. 11 (HW 10 due)	210
<b>Tuesday, November 20</b>		<b>Follow Thursday Schedule</b>	
<b>Wednesday, November 21</b>		<b>Follow Friday Schedule</b>	
<b>Thanksgiving November 22 - 25</b>	<b>Recess</b>	<b>No class on Thursday or Friday</b>	
<b>Common Quiz 3: November 21</b> <b>Wednesday 08:30 - 9:45 A. M.</b>		<b>Covers Weeks 8, 9, 10</b> <b>FOP Chapters 27 – 29</b>	
<b>Week 12: November 20- 26</b> No new material	Catch up, Review	Recitation class only	223
<b>Week 13: November 27 – December 3</b> Induction II (Lecture 12). Begin Electromagnetic Oscillations (Lecture 13)	FOP Chap. 30 Sect. 7 – 10 FOP Chap. 31 Sect. 1-4	Begin HW 12 & Practice Probs. 12 (HW 11 due)	218
<b>Week 14: December 4 – 10</b> AC Circuits, LCR Circuits (Lecture 13)	FOP Chap. 31 Sect. 1-4, 6-7	Begin HW 13 & Practice Probs. 13/14. (HW 12 due)	221
<b>Week 15: December 11- 12</b> LCR Circuits & Review (Lecture 14)	Ch. 31 Sect. 8-11	Last lecture class. (HW 13 due but not gone over in class)	Catch up
<b>Reading Day: December 14</b>	No classes	Optional Review Sessions	
<b>Final Exam Period</b>	<b>December 15 - 21</b>	<b>Comprehensive final exam</b>	

\*\* Practice problems available at: <http://web.njit.edu/~janow> then navigate