

Physics 1314

The Physical Perspective

Spring 2000 Homework

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| DUE DATE | LECTURE TOPIC | HW |
|-----------------|---|---|
| Jan 26 | The Electric Field | |
| Feb 2 | Electricity | Chap 18. CQ: 3,4. P: 4,6,18,10 34,36. |
| Feb 9 | Magnetic Forces and Fields | Chap 19. CQ: 6, P: 14, 22, 31. Chap 20. CQ: 7, P: 6, 12, 24, 26. |
| Feb 16 | First Look at Electromagnetic Induction | Chap 21. CQ: 2, 13 P: 8, 15, 30. |
| Feb 23 | Last Look at Electromagnetic Induction | Chap 21. P: 51, 54, 62. Chap 22. CQ: 1, 4 P: 2, 16, 18, 23. |
| Mar 1 | Light Reflection and Mirrors | Chap 22. CQ: 7, 11, 15 P: 30, 32, 40, 42. |
| Mar 8 | Special Topics | Chap 25. CQ: 2, 4, 7, 8 P: 5, 10, 12. |
| Mar 22 | The Wave Nature of Light | |
| Mar 29 | Diffraction and Polarization | Chap 24. CQ: 5, 6 P: 2, 9, 12,13,16. |
| Apr 5 | Quantum Nature of Light | Chap 24. CQ: 3, 9, P: 17, 28, 38, 40. Chap 27. P: 2, 4, 8. |
| Apr 12 | Atomic Ideas | Chap 27. P: 14, 28, 31, 45. Chap 29. CQ: 3, 4 P: 8, 9, 11. |
| Apr 26 | Radioactivity and Age Dating | Chap 29. P: 24, 26, 31, 34. Chap 30. CQ: 3, P: 11 |

FINAL EXAMINATION: Monday, 8 May '00, 11:30 AM – 2:30 PM.