

Physics 114
Summer 2009

Instructor: Yahya Modarres-Sadeghi

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Textbook: University Physics by Richard Wolfson, Volume 2, 1st Edition, Publisher:
Pearson Addison Wesley, 2007

TA: ?? - ??@umb.edu

TA office hours: ?? at ??

Final Grade:

Assignments: 10%

Exams 1-3: 30% each

- Be on time for class.
- Bring your calculator to class every day.
- Homework is due at the beginning of class on the dates indicated.
- Late homework will not be accepted.
- I will e-mail you lecture handouts and solutions to homework problems. Make sure you frequently check your **umb.edu** e-mail.
- There will be **no "make-up" exams**.
- Send me an e-mail if you have any problem.

Day	Date	Chapter. Topic
Monday	July 13	16. Temperature and Heat
Tuesday	July 14	16. Temperature and Heat
Wednesday	July 15	17. The Thermal Behavior of Matter
Thursday	July 16	18. Heat, Work, and the First Law of Thermodynamics
Monday	July 20	19. The Second Law of Thermodynamics
Tuesday	July 21	20. Electric Charge, Force, and Field
Wednesday	July 22	21. Gauss's Law
Thursday	July 23	22. Electric Potential
Monday	July 27	Exam 1 (Chapters 16-21)
Tuesday	July 28	23. Electrostatic Energy and Capacitors
Wednesday	July 29	24. Electric Current
Thursday	July 30	25. Electric Circuits
Monday	August 3	26. Magnetism: Force and Field
Tuesday	August 4	26. Magnetism: Force and Field
Wednesday	August 5	26. Magnetism: Force and Field
Thursday	August 6	27. Electromagnetic Induction
Monday	August 10	Exam 2 (Chapters 22-26)
Tuesday	August 11	27. Electromagnetic Induction
Wednesday	August 12	29. Maxwell's Equations and Electromagnetic Waves
Thursday	August 13	30. Reflection and Refraction
Monday	August 17	31. Images and Optical Instruments
Tuesday	August 18	32. Interference and Diffraction
Wednesday	August 19	Review
Thursday	August 20	Exam 3 (Chapters 27-32)