PHYS 161.002 (Call #26988)
Monday and Wednesday: 05:30 PM – 06:45 PM
Regener Hall Room 114

Instructor: Paul R. Schwoebel
Office: Physics and Astronomy Building, Room 122.
Phone: 277-2616
E-mail: schwoebel@chtm.unm.edu
Office hours: After class Mondays in Regener 114 or by appointment

TA: To be determined
Office: Regener Hall Room 111
E-mail: To be determined
Office hours: To be determined

SI: To be determined
Attending SI tutorial sessions will positively impact your grade. Each session attended will result in 0.5 percentage points being added to your homework grade before normalization.
Office: Regener Hall Room 111
E-mail: To be determined
Office hours: To be determined

Text: University Physics, 12th edition by Young and Freeman

Grading: 30% Homework, 30% Quizzes, 20% Midterm, 20% Final.

Final grade will be curved. The curve will average in the C+ to B- range (79.5%). Before the curve if you have 97%-100% your grade will be at worst an A+, 94%-96% at worst an A, 90%-93% at worst an A-, 87%-89% at worst a B+, 84%-86% at worst a B, 80%-83% at worst a B-, 77%-79% at worst a C+, 74%-76% at worst a C, 70%-73% at worst a C, 67%-69% at worst a D+, 64%-66% at worst a D, 60%-63% at worst a D-, < 60% = F.

1) 30% Homework: Mastering Physics. Assigned Mondays at 8 AM and due the following Monday by 11 PM. Always use 3 significant figures on numerical answers. The numbers of the problems assigned in Mastering Physics correspond to those at the end of the appropriate Chapter in your University Physics textbook. If you bought a new textbook it came with an access code to Mastering Physics. If you were registered for Physics 160 last semester your access will carry over. If you wish to buy access to Mastering Physics separately, you may purchase access at www.MasteringPhysics.com. Visit www.MasteringPhysics.com to get started.

   Course ID is: SCHWOEBEL161002
   For your Student ID enter your UNM student ID number (= banner ID number)
   Homework solutions will be posted at: http://ereserves.unm.edu/courseindex.asp with password: lobo161

   For assistance with Mastering Physics use their online resources or go to: http://panda.unm.edu/Courses/StudentHelp/index.html to see the office hours of our Department’s expert.

   Attending SI tutorials will positively impact your home grade as specified above.

2) 30% Quizzes: Unannounced once each week or every other week during class on Monday or Wednesday. Each quiz will be a question taken from the Summary Section of the textbook chapter to be covered by lectures that week to encourage reading of the textbook beforehand. Make-up quizzes will only be given if prior
arrangements have been made with the instructor. Graded quizzes will be returned by the next class period to your assigned box in Regener Hall. No extra paper, notes, calculators, or cell phones allowed during quiz.

3) 20% Midterm: Wednesday March 9, 5:30-6:45 PM, Regener 114.
Exam will cover Chapters 21 - 26. The exam will be multiple choice with partial credit for work shown. You may use both sides of a 4” x 5” card as a crib sheet. Graded midterms will be returned to your assigned box in Regener Hall by the end of Spring Break. No extra paper, notes, calculators, or cell phones allowed.

4) 20% Final: Wednesday May 4, 5:30-6:45 PM, Regener 114.
Exam will cover Chapters 27 – 31 and lecture notes on Chapters 17 - 20. The exam will be multiple choice with partial credit for work shown. You may use both sides of a 4” x 5” card as a crib sheet. No extra paper, notes, calculators, or cell phones allowed. Graded finals will be available in the Front Office of the Physics Department (800 Yale Blvd. NE) until Sept 2, 2011.

Problems Session (Optional): PHYS 168.002 (Call # 23662)
Wednesday: 07:00 PM – 07:50 PM, Regener Hall Room 114
Grading (P/F) will be based upon attendance and participation. 5 absences will result in a failing grade. The Problems Session is strongly encouraged. The instructor teaches the class. Students are assigned to groups and work problems under the supervision of the instructor. Problems are selected to aid in understanding the lecture material and assigned homework.

Schedule
Jan 19  Chapter 21: Electric Charge
Jan 24 – 26  Chapter 21: Electric Fields
Jan 31 – Feb 2  Chapter 22: Gauss’s Law
Feb 7 – 9  Chapter 23: Electric Potential
Feb 14 – 16  Chapter 24: Capacitance and Dielectrics
Feb 21 – 23  Chapter 25: Current and Resistance
Feb 28 – Mar 2  Chapter 26: Direct Current Circuits
Mar 7 – 9  Review and Midterm Exam
Mar 9: Midterm Exam: Ch. 21 - 26
5:30 PM – 6:45 PM Regener Hall Room 114
Mar 13 – 20  Spring Break
Mar 21 – 23  Chapter 27: Magnetic Fields and Forces
Mar 28 – 30  Chapter 28: Magnetic Sources
Apr 4 – 6  Chapter 29: Electromagnetic Induction
Apr 11 – 13  Chapter 30: Inductance
Apr 18 – 20  Chapter 17: Thermodynamics I
Apr 25 – 27  Topics from Ch. 18 – 20: Thermodynamics II
May 2 – 4  Special Lecture, Review, and Final Exam
May 2: Special Lecture & Exam Review
May 4: Final Exam: Ch. 27 – 30, Ch. 17, and Topics in Ch. 18 – 20
5:30 PM – 6:45 PM Regener Hall Room 114