Physics II / PHYC 152 Syllabus  Spring 2016  Clifton Murray, UNM-Valencia

Class meets  T Th 3-4:15p

Prerequisites: Physics I (151) with grade of C or better, or instructor permission.

Recommended (but not required) concurrent course: Physics II Lab (Tues, Noon-2:45p)

Instructor’s office & hours—A126A, Hours MW 3:15- 4p; T 4:15-5:30p; Th 11:45a-12:30p, 1:15-2:45p, 4:15-6:15p.

Text: College Physics 7th ed., Wilson, Buffa, & Lou
As in Physics I, a calculator having trig functions and powers-of-ten capability will often be useful.

Student Learning Objectives: To be able to explain and solve problems involving: electric fields, forces, and potential (voltage); a.c. and d.c. circuits; magnetism; electromagnetic induction; electromagnetic waves; concepts of quantum, atomic, and nuclear physics; recent hypotheses and observations of elementary particles and the Universe; selected results from Einstein’s relativity theory.

Policies and Notices:
* After four accumulated absences, the student may be dropped by the instructor without further notice.
* “Makeup” tests will be given only at the instructor’s discretion—in other words, the instructor is free to not give a makeup. If a makeup is given, expect a maximum score of 85%, because of (i) the unfair advantage of a makeup over students who took the test on time, and (ii) the additional time and effort required of the instructor in preparing, scheduling, administering, and grading the makeup.
* Late homework. Credit will be reduced by 50% if one day late; minus 100% if two or more days late.  Homework due dates are indicated on the schedule attached to this syllabus.
* Persistent disruptive behavior, such as loud talking, ridiculing or intimidating the instructor or other students, or other forms of distraction, will result in the offender being dismissed and dropped from the class.
* Cell phones Off, please, during class.  No text messaging in class.  No calls in or out of room during tests.

*Final Exam Minimum Grade is 65% in order to receive above a “D”, regardless of other test or homework scores.

<table>
<thead>
<tr>
<th>Grading:</th>
<th>Maximum points</th>
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<tbody>
<tr>
<td>Homework</td>
<td>100</td>
</tr>
<tr>
<td>4 tests</td>
<td>400</td>
</tr>
<tr>
<td>Drop lowest one of tests or homework:</td>
<td>-100</td>
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<tr>
<td>Final exam (not dropped)</td>
<td>150 (min 97.5 (65%) to receive higher than a “D”).)</td>
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<td>550  Max poss course total</td>
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(“x” = student’s total accumulated points)

536 ≤ x ≤ 550     A+     (unless a test is missed, or homework score is less than 50%).
509 ≤ x < 536     A     (unless a test is missed, or homework score is less than 50%)
495 ≤ x < 509     A-
481 ≤ x < 495     B+
454 ≤ x < 481     B
440 ≤ x < 454     B-
426 ≤ x < 440     C+
399 ≤ x < 426     C
385 ≤ x < 399     C-
330 ≤ x < 385     D
x < 330           F