

## PHYSICS 1401 - SPRING, 2008

### GENERAL INFORMATION

Instructor: Dr. F. ROMERO (FERNANDO.ROMERO@HCCS.EDU)

Telephone: Please leave message at 713-718-6052 (Physical Science Office).

Office hours: MON through THU after class. Arrange appointment with instructor.

### COURSE INFORMATION (\*)

**Prerequisites: MATH 1314, MATH 1316**

Textbooks: • PHYSICS by Cutnell and Johnson (7th Edition). Required.

- Study Guide and Student Solutions Manual to accompany textbook (7<sup>th</sup> Edition). Recommended.

Lab Text: • CIOFFARI'S EXPERIMENTS IN PHYSICS by Dean S. Edmonds, Jr. Required.

Material: MECHANICS and THERMAL PHYSICS.- The specific subjects covered will be: One-dimensional motion, vectors, motion in a plane, dynamics, work and energy, impulse and momentum, collisions, rotational kinematics, rotational dynamics, elasticity and vibrations, fluids, heat and temperature, kinetic theory of gases, and laws of thermodynamics.

A total of 15 chapters of the textbook (Chaps. 1 through 15) will be covered at approximately 1 chapter per week.

Homework: One assignment/week (approx. 10 problems assigned 1 week in advance).

Only original HW-sheet accepted (NO FAX, NO PHOTOCOPY)

Absolutely NO LATE PAPERS counted!

### GRADING

**Tests (55%):** There will be 3 partial tests (@ 20%) during the course spaced throughout the semester. Plan to have a test at conclusion of chapters 4, 8 (mid term), 12, and 15 (final exam). The exact dates for partial tests will be announced in class. The 4th test (15%) will be system-wide, mandatory, and comprehensive on the day of final exam (Week of May 5-9, see HCC Spring Schedule for exact date).

NO MAKE UP TESTS! (Reason: the lowest partial test score will be dropped).

ALL TESTS AND FINAL EXAM ARE CLOSED BOOK AND CLOSED NOTES.

A basic scientific calculator is required. No cell phones are allowed during lecture and tests.

HCC Academic Honesty Policy will be followed during tests and final exam.

**Homework:** Counts 20% of course grade.

**Lab work:** Counts 25% of course grade. (Experiments related to the main course topics are selected during the semester, see attached list).

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(\*) All information on this syllabus is tentative and subject to change by your instructor.

### IMPORTANT REMINDERS, DEADLINES, and HOLIDAYS:

Policy regarding dropping will be followed.

\*Friday, Jan. 25 is the last day to drop the course without receiving a grade.(Official Date of Record)

\*Thursday, Apr. 3 (4:30 PM) is the last day to drop the course. **If you withdraw, you will receive a "W" grade.**

**By new State Law, instructors will NOT assign "W" grades on final grade sheets.**

\*Accumulated absences in excess of 12.5% (3.5 class days) gives the instructor full authority to drop a student from this course. Coming late or leaving early counts as a "half-absence".

\*Monday, Jan. 21, 2008 MLK Observance Holiday.

\*Monday, Feb. 18, 2008 Presidents Day Holiday.

\*March 10 - 16, 2008 Spring Break.

\*Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective college at the beginning of each semester. Faculty are authorized to provide only the accommodations requested by the Disability Support Services Office. If you have any questions, please contact the disability counselor at your college or Donna Price at 713-718-5165.

"NOTICE: Students who repeat a course three or more times may soon face significant tuition/fee increases at HCC and other Texas public colleges and universities. Please ask your instructor/ counselor about opportunities for tutoring/other assistance prior to considering course withdrawal, or if you are not receiving passing grades."

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