

PHYS OF HOW THINGS WORK
Phys 101
University of South Carolina
Main Campus
Session: 01/10-04/25'11
Final Exam: 5:30 pm, in class, Wednesday 4th May 2011

Lecture Class: PSC 002, 4:00 pm-5:15 pm, MW.
HW-PSC 208, please see your individual class schedule.

Professor: T. Datta
Office: PSC 501/502 (777-8104) 12:30 pm -1:30 pm MW & by appointment
Contact: datta@sc.edu (NB grades will not be discussed by email)

Topics & course description: The man made world is filled with gadgets. Most aspects of our lives happen as if by some magic. Each and every one of these gizmos is based on well understood logical principles. Physics of how things work is a beginner's course to understand the basic principles of science that gives us the marvelous technology of the modern life.

Course goal: The goal is to learn basic physical principals by studying the workings of nature and from man made technology. This course will help you to anticipate and shape your future progress and become an educated consumer & citizen.

Text: Physics Concepts & Connections Latest ed, By Art Hobson Addison- Wesley.

Home work: Charts, tables, graphs, figures, qualitative & quantitative compositions.

Tests & Exams: Two 1hr tests & Final (ID s may be checked @ tests).

Grading: tests 50% + HW 30% & in-class work 20%

Scale: Standard 10 pt, viz., 100-90% = A, 89-80% = B, etc.

Lecture class/notes: Large parts of this course will be lectures from my personal notes.

Companion Book: Physics: Concepts + Connections by Art Hobson; ISBN 978-0-4321-66113-5.

- Through out the session test dates will be chosen in class after open discussions.
- Attendance may be taken at random for record keeping. More than Three unexcused absences may cause loss of grade.
- Makeup tests only with written medical or family excuses.
- Requests for incomplete grade "I" has to be made in writing and conditions negotiated should be written down and agree upon. Verbal will not be enough.

Tentative Calendar for Spring 2011

(Students should regularly make corrections for updates voted in class)

January 10, Mon.	Classes begin
January 14, Fri.	Last day to change a course schedule or drop a course without a grade of "W" being recorded (Session C002)
January 17, Mon.	Dr. Martin Luther King, Jr. Service Day - no classes
January 31, Mon.	Last day to apply for May graduation
February 28, Mon.	Last day to drop a course or withdraw without a grade of "WF" being recorded (Session C002)
	Midpoint in semester
March 6 - 13, Sun.-Sun.	Spring break - no classes
April 21, Thurs.	Awards Day
April 25, Mon.	Last day of classes
April 26, Tues.	Reading day

Check Registrar's web page for academic dates)