

PHY 140Y - FOUNDATIONS OF PHYSICS
2001-2002
TERM TEST #2 INFORMATION

TIME: 6:30-8:30 PM
DATE: Thursday, December 6, 2001
PLACE: Rooms MP125 and MP126

*If you have a schedule conflict for this time,
please see me before Friday's lecture on November 30.*

MAKE-UP TEST

TIME: 3:00-5:00 PM
DATE: Friday, December 7, 2001
PLACE: MP408

MATERIAL COVERED IN THE TEST

III. Force and Energy in Classical Mechanics

- III.6 – work, energy, and power Ch. 5-8, 7-1 to 7-6
- III.7 – conservation of energy Ch. 8
- III.8 – force and potential energy Ch. 8

IV. Simple Harmonic Motion Ch. 15

V. Special Relativity Ch. 38

i.e., all material in Lectures 16 - 32, inclusive

FORMAT

- i) some short answer questions – definitions, explanations
- ii) calculations (like questions in tutorials and problem sets)
- no multiple choice questions
- no choice of questions – answer ALL questions on the test
- marks will given for workings and units, as well as for final answers
- see 1998, 1999, and 2000 term tests on the PHY140 web site

EXAMINATION AIDS

- calculators may be used (preferably non-programmable)
- no aid/crib sheets are allowed, nor will any be provided
- Lorentz transformations for x , x' , t , t' , **and velocity** will be provided