PHYSICS 180A - Fundamentals of Physics – Schedule No. 22387

INSTRUCTOR: Milton S. Torikachvili  miltont@mail.sdsu.edu  619-594-6274

OFFICE HOURS: Mo-We: 2:00 – 4:00 (P-232)

TA HELP: TBA

SOCIETY OF PHYSICS STUDENTS VOLUNTEER TUTORING (in P-247): TBA


SUBJECT: Fundamentals of mechanics, wave motion, sound and fluids, comprising the material from Chapters 1-11 of the text book.

STUDENT LEARNING GOALS: to understand and master the fundamentals of kinematics, linear and rotational laws of motion, energy, work, impulse, momentum, simple harmonic motion, and fluids.

PRE-REQUISITES: entry-level math.

COURSE SCHEDULE: Lectures: MWF - 1:00 - 1:50 pm - GMCS-333
Students will not be allowed to come in the classroom after 1:05 pm.

BLACKBOARD: The syllabus, announcements, grades, solutions, and other materials will be posted on blackboard (blackboard.sdsu.edu).

ABOUT THE LECTURES: We’ll cover the material at the rate of about 3 lectures per chapter.

IMPORTANT DATES

SEPTEMBER 9 (MO) - LAST DAY TO ADD/DROP
TBA – TEST 1 – Chaps. 1-3
TBA – TEST 2 – Chaps. 4-5
TBA – TEST 3 – Chaps. 6-8
TBA – TEST 4 – Chaps. 9-10
DECEMBER 13 (FR) – FINAL – 1:00 – 3:00 (comprehensive)

HOMEWORK

The homework assignments consist of a group of end-of-the-chapter (EOC) questions and problems from Webassign (WA). Students submitting their homework assignments using WA will get bonus points added to each of the 4 tests and final. Average homework scores on the assignments pertaining to each exam above 70% will get 20 extra points, and scores in the 40-70% range will get 10 extra points.

Webassign class key: TBA - Please use your full name and RED ID for signing up.


DUE DATES – Webassign homework

TBA – Assignment #1 – Chapter 1
TBA – Assignment #2 – Chapter 2
TBA – Assignment #3 – Chapter 3
TBA – Assignment #4 – Chapter 4
TBA – Assignment #5 – Chapter 5
TBA – Assignment #6 – Chapter 6
TBA – Assignment #7 – Chapter 7
TBA – Assignment #8 – Chapter 8
TBA – Assignment #9 – Chapter 9
TBA – Assignment #10 – Chapter 10
TBA – Assignment #11 – Chapter 11

GRADES

Grading will be based on the scores obtained in 4 tests (70%) and the final exam (30%). The test with the lowest score will be dropped from the average. The tests and final will have multiple choice questions and problems, and the maximum score will be 100 points in each. The material for each test will be the material covered since the previous test. The final will
be comprehensive. Bonus points for the homework will be added to the exams, to a highest score of 100.

You can bring a calculator, and a two-sided formula sheet (8.5 x 11”) with formulas and constants to each exam. The formula sheet has to be handwritten. It cannot contain xerox reductions of the text, homework, or any other materials.

Bring a ParSCORE TEST FORM F-289-PAR-L (red) for each test, and final.

**THERE WILL BE NO MAKE UP TESTS OR EXAMS.**

The final letter grade will be given according to the numerical score:

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**CHEATING:** Students caught cheating will get an automatic F in the class.