Title: PHYS 410 Classical Mechanics. Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics. (4 credits)

Prerequisites: PHYS373 Math Methods for Physics II.

Instructor: Prof. Carter Hall, Office: Physical Sciences Complex 2114, Phone: x5-6103, email: crhall@umd.edu.

TA: Srilekha Gandhari, Office: 2221 John S. Toll Physics Building, Phone: x5-5969, email: gandhari@umd.edu.

Office hours: My office hours will be Thursdays from 2 to 4 pm, and by appointment. You are welcome to drop in without an appointment.

Schedule: 3 meetings weekly:
   T, Th: 11 am - 12:15 pm (PHYS Rm. 1204) and
   F: 10 am - 10:50 am (PHYS Rm. 1204)


Website: http://www.physics.umd.edu/courses/Phys410/Hall-Spring-2020/. Instructor lecture notes will be posted here.

Homework: There will be a total of 12 homework assignments. Assignments will be posted on the course website each Friday, and will usually be collected in class the following Friday. Homework #1 is due Tuesday Feb. 4th and Homework #6 is due Thursday March 12th. No homework will be due during exam weeks. Policies:
   • Homework will not be accepted electronically.
   • At the instructor’s discretion, late homework may not be accepted.
   • If you use a computer and you have trouble printing your results, you may sketch your results by hand. Printer failure will not be accepted as an excuse for late homework.

Use of laptop computers and other devices during class is discouraged. If you need to use a device during class, please come see me.

Exams: There will be two mid-term exams and a final exam. The mid-term exams will be held in class on Tuesday February 18th and Tuesday March 31st. The final exam will be held on Thursday May 14th from 8:00-10:00 am in PHYS 1204.

Credit: Midterm exams 1 and 2 are worth 20% each, homework is worth 30%, and the final exam is worth 30%. Each homework assignment has equal weight.

ELMS: Homework and exam grades will be posted on https://www.elms.umd.edu/. CAUTION: ELMS does not correctly weight your homework and exam grades. The total percentage appearing on ELMS usually over-estimates the result from the syllabus formula. To calculate your percentage you must do it by hand following the syllabus recipe given above.

Grading Scale: A ten-point grading scale will be used to assign final letter grades, with the “-” and “+” grades reserved for the lowest three and highest three points in each bracket. For example, 87% to 89% will be a B+, 83% to 87% will be a B, and 80% to 83% will be a B-.

Academic Integrity. All university policies regarding student rights and obligations, including academic integrity (cheating), are available at: http://www.ugst.umd.edu/courserelatedpolicies.html