

**PHYSICS 10  
SPRING 2019**

**Class Details:** 46277      **PHYS10**      **M & W**      **530 PM-745 PM**      **ROOM S16**

**Instructor:** Dr. Gunjan Raizada Chakravarty

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**Office:** S 13

**Office hours:** Monday and Wednesday 4:45 pm to 5:15 pm; and by appointment.

**Final Exam:** Monday, June 24, 2019, 6:15 pm to 8:15 pm. Finals will not be given earlier/later.

**Text:** Conceptual Physics by Hewitt. 11<sup>th</sup> edition

**Goal:** The goal is to make students, be at ease with Physics and maybe even love Physics by the end of the quarter. By connecting the laws of Physics to the student's world of hi-fives, shooting the basket balls or simply, drinking water from fountains. This course will explore the structure of physics from a purely conceptual standpoint. This will be achieved by sharing hands-on and minds-on activities during the lectures. Extensive verbal logic will be employed. Few numerical calculations will be performed. Although it may sound easier to study physics without mathematics, actually this is a challenging goal and requires a skillful and precise use of language. We will start with mechanics and study motion, Newton's laws, energy, momentum followed by rotational motion, gravity and projectile motion.

- **NO make-up exams will be given without PRIOR consent from the instructor.**
- **Attendance is required! If you miss more than five lectures, you may find yourself dropped from the class (or after the withdraw date, receiving a grade of F). A missed quiz, pop or scheduled, is considered equivalent to a missed lecture.**
- **Your lowest quiz score will be dropped.** No make ups for quizzes will be given.
- **To pass the class you *must* take all the exams and the final exam.**
- **No final grades will be posted.** If you want your final grade email me. You may come and inspect your final exam any time during the next quarter.
- **A score of zero points will be given to an assignment if a student has been found cheating on it. No cell phones will be allowed out in view during the exam; doing so will constitute cheating on the exam.**

- **You will be graded on the *union* of the information provided in the lecture and from the assigned text readings.** The grades will be given on the traditional percentages:

**A: 90-100%;**

**B: 80-89%;**

**C: 60-79%;**

**D: 50-60%;**

**F: not given unless an exam is missed or attendance is unacceptable**

**Overall class scores may be curved to fit this pattern.**

- **The grade distribution is as follows:**

**Quizzes 20%**

**Exams (2 exams) 20% each = 40% total**

**Final (comprehensive) 40%**

**Student Learning Outcome(s):**

\*Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of physics in general.