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**LECTURE:** ONLINE VIDEOS AVAILABLE DAILY

**OFFICE HOURS:** TBD

**GOAL:** TO UNDERSTAND HOW AND WHY OBJECTS MOVE THE WAY THEY DO. To achieve this goal, you will learn the conceptual and mathematical framework for kinematics, Newtonian dynamics, and Work Energy. TO LEARN HOW TO SOLVE AND PRESENT SOLUTIONS TO PROBLEMS RELATED TO THE MOTION OF OBJECTS. To achieve this goal, you will practice solving and presenting solutions in the form of homework and quizzes.

**TEXTS:** Physics for Scientists and Engineers, fourth Edition, Giancoli (required)  
Access to Mastering Physics for online homework (bundled with the text or available online) required (available at)

**GRADING:**
- online homework (available at [http://www.masteringphysics.com](http://www.masteringphysics.com)): 15%
- participation in lecture videos/online quizzes: 15%
- weekly one-hour exam: 30%
- final: 40%

**GRADING SCALE:** The class is NOT graded on a curve. The following cutoffs will apply at the end of the year to your total score as a percentage:

- 85% or better guarantees an A- or better  
- 70% or better guarantees a B- or better  
- 55% or better guarantees a C- or better  
- 40% or better guarantees a D or better (there will be no grades of D-)

**MAKEUP POLICY:** There will be no makeup for the quizzes, midterm exams or the final exam. The lowest homework/in class/pre-quiz grade will be dropped.

**CHEATING:** Anyone caught cheating on an exam or quiz will automatically fail the course. In addition, the appropriate Deans will be notified. Cheating includes giving or receiving assistance on an exam or quiz. Also, though you are allowed to work together on homework, you must turn in your own work EVEN FOR THE ONLINE HOMEWORK. Turning in identical papers is classified as cheating.
IMPORTANT POLICY DURING FINAL: YOU WILL ONLY BE ALLOWED THE FOLLOWING ITEMS ON OR NEAR YOUR DESK DURING EXAMS: PENS/PENCILS, CALCULATOR, ID. ALL BACKPACK, PURSES, ETC. WILL NOT BE ALLOWED AT YOUR SEAT. IF YOU BRING THEM TO THE EXAM, WE WILL KEEP THEM UP FRONT FOR YOU, BUT CAN NOT GUARANTEE THEIR SAFETY. ANY ELECTRONIC ITEMS OTHER THAN A CALCULATOR THAT ARE OBSERVED ON YOUR PERSON (SUCH AS CELL PHONES AND PAGERS) WILL BE CONFISCATED FOR THE DURATION OF THE EXAM.

REGRADES: Any request to have an exam or quiz regraded must be made in writing and include an explanation of the believed grading error. In addition, the instructor and TA have the right to reconsider the entire exam, not just the requested portion, and the score may go up or down if additional errors are found. ALL in class problems and exam regrades should be turned into the INSTRUCTOR.

COURSE HOME PAGE: Significantly more information is available on the course webpage (TBD). The webpage lists the schedule, summary of concepts, lecture excerpts (as they are given), and in class problem solutions.

HOMEWORK: One of the keys to success in physics is to practice as much as possible. As such, regularly doing the homework is essential to learning the material (and to doing well in the course). Online homework provides a unique environment to practice and receive feedback. It is strongly encouraged to do as much of the work as possible on your own, but you can certainly work with friends if additional help is needed. The online homework is accessed at http://www.masteringphysics.com. You need to purchase an access code to use the homework. This can either be done by buying it bundled with the book or a stand-alone code. Once you have access to the system, you need use the course code for this course: MPDENNIN95890

ONLINE QUIZZES: By its nature, there is far too much material for me to cover the details in lecture. Therefore, lecture provides more detailed examples of only selected topics. It is assumed that you are reading the text book for the broad overview, and the online lecture pre-quizzes test this. During lecture, various questions will be asked of the students and the responses tracked using the clicker system. This is to help keep students engaged in the course and provide myself with accurate real time feedback as to what is needed in lecture. These pre-lecture and in-lecture quizzes combine to form a portion of the grade.

DISCUSSION SECTION: Attendance in discussion section is OPTIONAL for this course and a chance to help with problem solving skills. COME PREPARED TO PARTICIPATE. It is NOT a chance to just watch a TA solve problems!

EXAMS: ALL EXAMS WILL BE CLOSED BOOK!!!! Calculators will be allowed on the exams.

EXAM SCHEDULE: Final exam: July 31st, 7-8:50pm in PSLH 100
(note: some of you may think that one exam is being dropped - this is NOT happening. ALL THREE EXAMS will count.)

HELP?? Need help with the class? There are many sources of tutoring, but perhaps the most useful is OFFICE HOURS. The professor and TAs are the ones teaching and grading the course - so they know what they are looking for. If you have any questions, never hesitate to ask. If you don't want to come by, email!