

ME274 Homework Guidelines

General Points

- If you use multiple sheets of paper to solve a problem repeat the *DATE PROBLEM NUMBER PAGE* and *NAME* header on each sheet (see format instructions on page 8).
- Each problem must start on a new sheet of paper.
- Your writing needs to be large enough so that when the problem is scanned, it does not require the grader to do high levels of magnification to be able to read your solution.
- If you are using a pencil to do your solution, you need to use a pencil that is on the soft side (HB at a minimum or 2B ideally) so that the writing is dark enough so that the scan works well. Make sure that the pencil is sharpened, too.

Vector Notation, Coordinate Systems, Unit Vectors, Diagrams and Free Body Diagrams

- You must use the unit vector and other notation used in this class. **Do NOT use** the “bracket notation” for vectors.
For example, use $\vec{F} = (10\hat{i} + 20\hat{j})\text{lb}$ instead of $\vec{F} = \langle 10, 20 \rangle \text{lb}$.
- In your notation and final answers, you must clearly show that you understand the difference between a vector (e.g., velocity is a vector) and a scalar (e.g., speed is a scalar). Pay attention to what quantity you are being asked for.
- You must specify coordinate systems, associated reference points, draw the unit vectors that you are using on the diagrams, and include units in your answers.
- For kinetics problems, you must include clear free-body diagrams.

Failure to do any of these things will result in a loss of points. Failure to do all of these things will result in a large loss of points.

Scanning and Uploading

- Before scanning, put the solution sheets in order for each problem, and then put the solution to the 1st assigned problem before the solution to the 2nd assigned problem.
- Scan the pages for the **two problems into one .pdf document**.
We suggest, to make your record keeping easier, that you name the .pdf file “ME274_Homework Numbers_Your Name”.

Do **NOT** submit image files such as JPEG, PNG, TIFF, etc.

You may use your mobile device to make a PDF scan the homework, e.g., with the scanning functionality of Dropbox, or apps such as CamScanner or Scannable.

- Before uploading to Gradescope, check the quality of the scanned problems. You do not want to lose points because the grader is unable to read your solution. If it is hard to read, you need to rescan and make sure the result is better.
- Once uploaded, assign pages to the two problems in Gradescope.

Deadline for Uploading

- Due by 11:59PM on the day of your next class after the homework is assigned.
- While homework is due just before midnight (11:59PM), you should set yourself a goal of submitting it between 6 and 7PM at the latest, so that internet challenges can be identified soon enough to develop other strategies for uploading on time.