

Homework Format

Practice is an important part of an engineer's education. Without it, the engineering student does not learn technical material well enough to use it. Homework will provide a part of this necessary practice for your understanding of the material. Your work should be done in a presentable manner, so it can be understood by the grader. It is also to your advantage to turn in the homework in an orderly and well presented manner, since your homework will be used to prepare for the final examination.

Engineering paper is nice for homework assignments but not required. However you should use a clear sheet of paper without ragged edges. You should write on one side of the sheet, using a soft, dark, sharp pencil. The following format should be followed for the homework sets that are being turned in for grading.

1. Cover Page
2. Header
3. Given Section
4. Find Section
5. Solution Section

The cover page must contain the student's name, mail box number, course name, course number and section, due date for the assignment, and a vertical list of all problems assigned.

The header for each new problem should start on a fresh page, unless the previous problem was very short. Each page of a homework set should contain the course number, student's name, problem number, and the associated page number on top of the paper.

In the **Given** section you should state the provided information for the problem in clear, concise, and mathematical terms. In this section you also need to draw the diagrams describing the problem.

In the **Find** section you need to indicate the physical or mathematical quantities that should be determined.

In the **Solution** section you will carry out the solution steps in a logical order. You should provide enough information to make the logic understandable for the grader, and yourself when you review prior to examinations. You need to start with writing the appropriate equation first. Then substitute the corresponding numerical values in the equation and solve for the unknown. Write the second equation next, and use the numerical value you obtained from the previous equation to solve the next equation. Do all of your work in a logical and sequential manner until you have obtained the final result. Remember to draw a box around each of your results that matches a **Find** in the problem statement. Be sure to provide the units.