

## EGR 110 Design Report Sketching Requirements

These sketches should be conceptual drawings, done at the current level of refinement, showing how your device will accomplish the objectives of the project. The drawings should graphically, and through minimal annotation, describe how all the parts fit together to allow your device to function. Further details are listed below:

- At least one significant drawing must be done by each student in the group. The name of the student doing the drawing should be noted on the drawing. Each individual report should contain device drawings done by all team members.
- Each report should contain drawings that convey the design of the robot. Teams may include three views from a three-view drawing (front, top, side). In addition, there may be drawings indicating one or more of the following: a motion diagram, a detailed view of one part, or a programming flowchart (how robot will be programmed). Teams of four should include at least four different drawings and teams of three should have three different drawings.
- At least one drawing should be inserted in the body of the report (i.e. not in an appendix) and labeled as a figure, e.g., “Figure 1.”
- Drawings do not have to be done to scale, although some indication of size and dimensions is necessary.
- The drawings may be done on their own separate sheets of paper, which should be bound together with the Design Report as appendices, or they may be done as referenced figures inserted in the body of the text of the report, and labeled as “Figure 1, Figure 2”, etc. If the drawings are included as appendices, they must be labeled and cited in the text.
- Drawings can be hand drawn, or done electronically if the student is proficient in the use of a modeling system. Please scan hand drawings to include them in the report.

See the examples on the course website.