Outline

• Introduction to Communication
• FE Reference Handbook
• Works Cited
Types of Communication 1
(Onwubiko 226)

• Graphical or Technical
  – Plot/Graph/Figure
  – 2d or 3d CAD/CAM (engineering) drawing
  – Schematic
  – Sketch
  – Charts
  – Tables
Types of Communication 2
(Mechanical), (Dym 2)

- Written
  - Reports
  - Correspondence (Electronic mail, letters, memorandums, etc.)
    - Tone of voice
      - Formal
      - Informal
- Verbal
  - Design Project Statement
  - Presentations
  - Meetings
    - Tone of voice
      - Formal
      - Informal
- Nonverbal
Note: “A design is of no use unless it is properly communicated to those who must approve it and to those who must manufacture the various components of the design.

Therefore, as an engineer, one of the important things you do is to communicate your design to both technical and non-technical people.

As an engineer, you must communicate your design beginning from the conceptual phase to the definitive design using sketches or drawings. Therefore, it is important that you acquire this communication skill. There are at least two reasons why you must acquire this skill.

- You must communicate your design ideas to others in a very succinct manner.
- In addition, you may be responsible for reading and approving the drawings produced by a skilled draftsperson (this may be you in the future as more drawings are created by entry-level engineers).”
Engr. Communication 2
(Onwubiko 226-242)

- Graphs
  - Linear Graphs
  - Bar Graphs (including histograms)
  - Pie Graphs
- Technical Sketching
- Working and Assembly Drawings
- Geometric Modeling
Exploring Graphics

  Elements of a Good Graph, Gull Lake Community Schools

  Engineering Graphics Educational Outcomes for the Global Engineer by R. E. Barr, Department of Mechanical Engineering, The University of Texas at Austin
Reviewing the following pages from the *Fundamentals of Engineering Reference Handbook* (posted online at http://www.ecoccs.com/tsuteach.html#engr1020) will be helpful for the remainder of this semester

- iii – 17,
- 19 – 24,
- 28 – 29,
- 40 – 48,
- 109, and
- 114 – 120
Works Cited


• Mechanical Engineering at the University of Delaware, Senior Design 2006 Resources, Team Norms and Communication, <http://www.me.udel.edu/old-meeg401/06/teams-norms-comm.pdf>