Engineering Writing

SLO # 7 effective communication
Technical [PACTUS]

- Precise
- Analysis
- Concise
- Tables/Figures
- Unbiased
- Supported

Creative

- Infers
- Opinions
- Lengthened
- Pictures
- Persuasive
- Opinion based
Precise (and accurate)

• Exact and accurate expression or detail
• No deception or hidden facts
• No inferences
Analysis

• No direct quotes
  • Paraphrase
  • Examine
  • Cite
• Not copied and pasted
• Prove worth of being an engineer
• Examples are not templates → Be better
Concise

Simple

Plain

Clear
Tables / Figures

- Use tables, figures, charts, graphs, and illustrations
- Compliment writing
  - Enhance
  - Does not replace
- Clear displays
- Comprehensive captions (tell what it is and what to conclude)
Unbiased

• Not persuasive
• Not argumentative
• Balanced
• Benefits and consequences
• Ethical
• Honest
Supported

• Support contentions with data not opinion
• Evidence based
• Processed and analyzed not copied and pasted
systemic reviewed journal articles

conference papers; raw data

media reported data; websites with no author (com, org, net)

weakest
not evidence

- opinion pieces
- some person
- videos
- personal anecdotes
Please, please, please

- Evaluation criteria
  - Replicates grading and assessment rubric
  - Details most common errors

- Use resources
  - TA Office Hours
  - Writing Center (http://www.unr.edu/writing-center); request technical writer
  - Purdue Owl (https://owl.english.purdue.edu/owl/)
  - WriteLab (http://home.writelab.com/); use with caution
  - Grammarly (https://www.grammarly.com/); use with caution