

EGR 104 Critical Inquiry
Reading Guide for Module 2

Engineering Reasoning, pp 9–42

- Four examples of using the eight Elements of Thought to analyze several engineering disciplines and tools are given on pp 17-20. Choose one or more of these analyses and summarize how each element of thought is used in the analysis.
 - Point of View
 - Purpose
 - Problem or Question
 - Information
 - Inference and Interpretation
 - Concepts
 - Assumptions
 - Implications and Consequences
- Give a brief summary/description of each of the ten Intellectual Standards.
 - Clarity
 - Precision
 - Accuracy
 - Significance
 - Relevance
 - Complete/concise
 - Logical
 - Fairness
 - Breadth
 - Depth