Components of a Science Writing Course

1. Determine your goals
2. Select a good text that matches your goals
3. Provide a theoretical base
   - Key principles of writing
     - rhetorical context – and how to read rhetorically
     - the notion of genre
     - the centrality of audience
   - How knowledge is made in science (and YOUR field)
     - the centrality of writing in science
     - the scientific process
     - collaboration and competition
     - standing on the shoulders of giants
     - peer review
4. Teach writing processes
5. Make key elements of scientific writing explicit
   - Story
   - Persuasion
     - Integrating figures/data
     - The shape of the scientific paper (or other relevant genre)
   - Address disciplinary styles
6. Teach mechanics/style

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