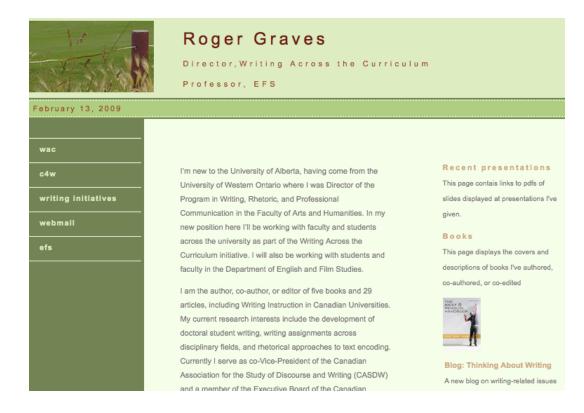
MEC E 200: Writing Persuasively

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Roger Graves





http://www.ualberta.ca/~graves1/index.html

Centre for Writers



http://www.c4w.arts.ualberta.ca/

Genres

As you move through your career at U of A you will need to learn new genres

- Engineering genres:
 presentations, abstracts, reports
- Genres in course electives: essays, reflections, summaries, annotated bibliographies

Earnings and English



A study reported in *Fortune* magazine showed that the top quartile in university studies earned three times what the bottom quartile earned in their lifetimes.

The best communicators among you will earn millions more over your lifetimes than the least effective communicators.

No matter how many technical skills you have, you still need to deal with people at a level they can understand, so communication skills are just as important as technical skills. —Paula Anthony, Tech support team leader

Genres for engineering students

- Technical engineering documents
- Email to peers, professors, staff
- Job application materials
- Essays for non-engineering courses
- Lab reports for science courses

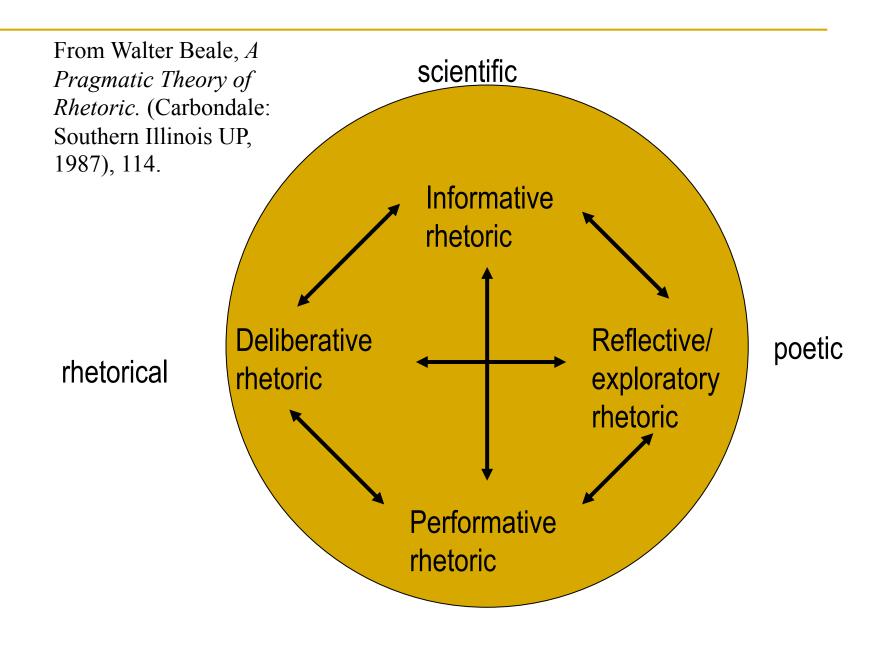
Audiences

You will need to learn to write for distinctly different audiences:

- Co-workers in co-op placements
- Engineering professors
- Professors in elective courses
- Job search documents

Purposes

- Writing that focuses on instrumental discourse (discourse that aims to do something)
 - E.g. computer manuals (print and help screens)
 - Assembly instructions for toys, appliances, games
 - Research articles



instrumental

The circular model

- Highlights the dual aims of discourse
- A piece of writing can both persuade and inform (e.g. newspaper report on school lunches)
- Any piece of writing has at least two aims
- E.g Your resume
 - Informative and persuasive

Express News Home

UNIVERSITY BUSINESS

Alberta Students Finance Electronic Application Assistance

MEDIA

News Releases
Guide to Experts
Media Tips
Media Clippings

EVENTS

Oct 19, 2009 Sustainability Awareness Week 2009

Athabasca University, Open Access Week

ECOS' Free Bike Checks

Teach English In Japan (JET) Info Sessions

The heterodonty of tyrannosaurids:
Biomechanical implications inferred through 3D models

Students stand up to make a difference

By Ileiren Poon

October 16, 2009 -(Edmonton) The University of Alberta quad was jumping this afternoon as students, staff, faculty and members of the Edmonton community came out to take part in Stand Up Against Poverty.

The annual event is designed to raise awareness of global poverty issues and to connect student groups with each other, as well as with researchers and community groups who are taking action against



are taking action against economic disparity.

Students' Union president Kory Mathewson told the



University of Alberta students gathered in quad to take a stand against global poverty.

5 Factors affecting success

- Flexibility of your writing processes
- Ability to get feedback on drafts
- Familiarity with the genre, complexity of the genre
- 4. Complexity of the task (purpose): description is less complex than analysis/ synthesis
- Number of audiences/readers, diversity within these groups

- writing processes—worksheets (planned for)
- feedback on drafts—Abstract feedback template, C4W (available, planned for)
- Familiarity with the genre—how many of these have you written this term? (unknown)
- 4. Complexity of the task (purpose): analysis/synthesis is at top end of reasoning skills (difficult)
- 5. audiences/readers—instructor (relatively easy)

Audience and Purpose

- Understand your audience for a piece of writing
- Understand your purpose for a piece of writing
- The better you understand your audience and purpose, the better your document will accomplish your goals

Purposes in this paper

- Outline the issue at hand
- Propose a solution based on one ethical principle
- convince the reader that the application of this ethical theory would prevent future occurrences of this kind

Drafting the paper

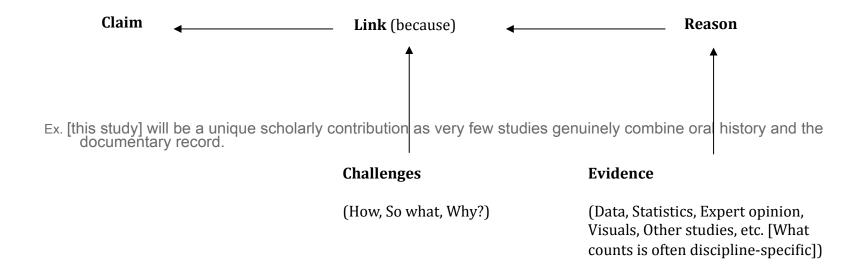
Launch:

 Utilitarian argument suggests that the greater good for society would be served by launching

Abort launch:

 Overall safety of the astronaut is more important that meeting deadlines—Kant argues that the acts that lead to results are just as important to creating a moral society

Informal Argument and Academic Writing



Challenges/rebuttal

If you are in favor of launching, how can you anticipate arguments against your position? As you rebut those arguments, you make your own position stronger.

Arguments against:

Arguments for launch:

Best evidence in engineering

- What is the strongest evidence in an engineering context like this?
- Statistics?
- Downside risk?
- Credibility/past record of success?
- Logic?
- Emotion?

Part 1: Explication of philosophical principle

- 1. Utilitarianism John Stuart Mill
- 2. Virtue Ethics Aristotle
- 3. Formalism Immanuel Kant
- 4. Contractarianism John Rawls.

Part 2: Ethical dilemma explained and "solved"

- Data suggesting the launch will not succeed
- Some knew it, but they didn't get their message through
- Management ended up hitting the impending deadline with efficiency—a practical decision, but not a good ethical decision
- NASA management—made decision with info on hand; engineers were ignored and their perspective not passed on

Solved—ethical position

- Evidence doesn't support a no launch position, so there is no evidence to support a no launch decision
- Contractarianism holds that if the process is fair, then the outcome must be just/fair original, new. Decisions must be based on evidence rather than on emotion.
- In the case of the launch of the Challenger, the decision process was flawed....

Looking ahead

- Use the C4W as a resource to get feedback before handing in final drafts
- Work hard at developing broad writing skills to handle the challenges of writing at work and in academic settings