

# Presentations and Research Paper

## Chem21, Organic and Biochemistry Lab

---

**PRESENTATION:** 100 points total

### Guidelines for the Presenter:

- Your presentation must be 10 minutes long, with a maximum of *five additional minutes* for any questions from the class.
- You will be provided with a whiteboard and colored markers and a computer for PowerPoint. You may bring in any other additional visual aids you so desire.
- You may use notecards, though you will be graded on your quality of eye contact.
- You will be asked, minimum, one question from the instructor and one question from one of the peer evaluators.

*Remember:* A good presentation always has a beginning (introduce yourself and the topic, including its definition), a middle (scope, importance, and content-heavy with all issues and sides fairly presented) and an end (a summation or “cliff-notes” conclusion). It will have a logical progression throughout.

**Grading Rubric:** Out of 85 points total

<b>TIME</b> 10 minutes ( $\pm$ 60 seconds)	1 to 10 pts
<b>ENGAGEMENT</b> Eye Contact Easy-to-understand Language Visual Aids	1 to 5 pts 1 to 10 pts 1 to 10 pts
<b>CONTENT</b> Scientific Accuracy Unbiased Presentation Scope: breadth and depth of topic coverage Introduction Coherence Conclusion	1 to 10 pts 1 to 5 pts 1 to 20 pts 1 to 5 pts 1 to 5 pts 1 to 5 pts

### Guidelines for the Audience:

- Groups will rotate peer-evaluating each presentation in the other groups (Group 2 evaluates Group 1, Group 3 evaluates Group 2, and Group 1 evaluates Group 3).

- The evaluations will be completed on a provided template after each individual presentation, and then collected at the end of the class period. Each numerical score must be accompanied by a written comment.
- Evaluations will be graded and then submitted to the presenter with all names removed.

*Remember:* Evaluations should be constructive and informative. Vague, unhelpful, or hurtful comments are not acceptable. The evaluations should also demonstrate that you paid careful attention to the presentation's content.

**Grading Rubric:** Out of 15 points total

<b>VERBAL QUESTION</b>	1 to 5 points
<b>EVALUATION FORMS</b>	1 to 10 points

**RESEARCH PAPER:** 100 points total

**Guidelines:**

- You need to include a title page that does *not* count toward your 3 page total. This should include the title of your topic, the course name, your name, and the date.
- Each page should be numbered in the footer of the bottom right hand corner.
- Your text should be double-spaced and written in 12 point Times New Roman or Calibri font.
- You need to include an introduction (3-5 sentences), the body, and a conclusion (3-5 sentences).
- You need a minimum of five unique sources. These can be websites, books, or scientific journals. You are responsible for ensuring their accuracy and validity. You need to cite in the text all references used by number (#).

*Example:* ...preparing N-(p-nitroaryl)amides (2).

- You need to include a references section that does *not* count toward your 3 page total. This should have all your references listed with numbers corresponding to the order in which they appeared in the text.

*Citing Guidelines:* <http://chemistry.library.wisc.edu/writing/acs-style-guidelines.html>

**Website:** Author (if any). Title of Site. URL (accessed date), other identifying information.

*Example:*

(1) Weisstein, E. W. Molecular Orbital Theory.

<http://scienceworld.wolfram.com/chemistry/MolecularOrbitalTheory.html>

(accessed 12/15/03), part of Eric Weisstein's World of Science.

<http://scienceworld.wolfram.com/> (accessed 12/15/03)

**Journal:** Author. *Journal Title*. **Year**, *Issue*, Pages

*Example:*

(3) Deno, N.C.; Richey, H.G. *J. Amer. Chem. Soc.* **1965**, *87*, 4533-4538

**Book:** Author. Title; Publisher: City, Year.

*Example:*

(2) Anastas, P.T. *Green Chemistry: Theory and Practice*; Oxford University Press: Oxford, 1998.

**Grading Rubric:** Out of 100 points total

<b>LENGTH</b> 3 full pages (without cover/references)	1 to 5 points
<b>FORMAT</b> Citation Style Type, Font, Page Numbering	1 to 10 points 1 to 5 points
<b>REFERENCES</b> 5 sources (+ credit if more) Veracity and Credibility	1 to 15 points 1 to 5 points
<b>CONTENT</b> Coherence Depth Scientific Accuracy Readability	1 to 10 points 1 to 30 points 1 to 10 points 1 to 10 points