

review articles, like those in *Chemical Reviews*, *Accounts of Chemical Research*, or *Chemical Society Reviews* are good sources. Of course, many journals present review articles as well as their primary source content. One of the pitfalls about review articles is that the content can, even in a few years, become dated. A valid strategy to avoid that is to start with a slightly older review article (say, 4–8 years old) and follow how the subject has advanced since then.

Paper topics: You will share with me and your peers in the class what your topic is. I will need a one-page summary of your topic with key references (at least three). A paper topic should be based on thesis rather than a description.

In class, the goal is to convey the thesis of your paper, what it is that you will be trying to prove. To compel the group you are presenting a valid thesis, you would want to state two to four supporting key ideas, which derive from the literature. Naturally, your peers may have some questions for you about the topic.

Final paper: This is the culminating component of the course. It contains your thesis/argument, your reasons to support that argument, and the content on which you perform your analysis. The best plan is to use some reading to decide on what is your thesis, or argument, and make list of major (introduction/thesis, three supporting paragraphs, summary/conclusion), it is likely that you will address your thesis well. Creative formats are welcome—experiment in your writing—but do not forget to get the job done!

The write up should have several parts:

- 1) A title page with your name, the presentation/paper title, and abstract.
- 2) An abstract that is a 200-word summary of your topic and key points. Because your presentation and paper should be based on a main idea and supporting examples and content, that main idea and key support should be presented here.
- 3) The main write up text, which is limited to 10 double-spaced pages, including all figures and references.
- 4) Figures should be rendered legibly with appropriate software. Complex images may be directly copied from source material (with citation), but schemes are usually best reproduced in ChemDraw, and we will have a tutorial on this software. The department provides ChemDraw at no cost. (<http://sitelicense.cambridgesoft.com/sitelicense.cfm?sid=2766>).
- 5) Referencing and text should conform to ACS style. Consult with the *ACS Style Guide*, which is available digitally through UVM libraries (<http://pubs.acs.org/isbn/9780841239999>), as needed.

Drafts have much of the core content in place. The argument should be present and support for it; the argument and support are based on cited data from the literature. Drafts have the main ideas but often lack details, and they are not the first n pages of the paper.

Peer review

toward the goals of the assignment. While you are not grading your peers, you are providing

them with constructive feedback that they will see. Therefore, we will develop criteria that we will consider important and agree how that is delivered.

Plagiarism: We will have a group discussion on the idea of plagiarism in class. While we are looking for you to provide some critical analysis, it is essential that you cite all ideas, content, and images that are used in your presentation and write up, which are not your own (including generated by AI), and that you conform to UVM standards for academic honesty.

Grading: Your performance in this course will depend on four equally weighed factors:

- 1) The quality and completeness of your final paper. We will discuss criteria for paper and how the revision process will change your work.
- 2) The quality and completeness of your paper drafts.
- 3) The quality of your peer review in addressing the how the subject paper meets the assignment criteria.
- 4) The literature analyses, any additional homework, and the topic write-up.

Work turned in within 24 hours of the due date will be given 50% credit and after 48 hours no credit. I will accept and read work after 48 hours: Feedback on your writing is critical for this