Guidelines for Apr 27 revision for Paper 1
Experimental Chemistry II, CH 463/CH 463H - Spring Term 2018

Updated revision of your paper is due 5:00 PM, Friday, April 27, 2018.

Method of submission: Submit one anonymous copy or your report to Canvas and submit one copy with your name as author to Dr. Pastorek by email. You will be doing Peer Review and we will also do Instructor Reviews, so you will get a lot of feedback before your next revision of your written work.

Format: Please type your paper in 11 or 12 point font with 1 inch margins. Times New Roman, Arial and Calibri are recommended as optimal fonts. Single or 1.5 line spacing is preferred, with 2 spaces in between sections. This should be about 800 words of revised text plus new text, using complete sentences and paragraphs, not bulleted points. Many of you have a good foundation from your revised proposal and you just need to update amounts, etc., to those values that you actually used in your experiment, order of how you actually did things, etc. You should move the properties table to Supplemental Materials section.

Title: Provide a scientific title for your paper, assuming you are submitting this manuscript to a scientific journal.

Abstract: Summarize the reason for the work, the most significant results, and the conclusions. Be sure to include the names of assigned reagents & the target benzophenone and the expected % yield.

Introduction: Please provide some pertinent interesting background related to your experiment. Explain the motivation for and import of your ketone and perhaps why it should be of interest to chemists in other areas. Is there a commercial use for the ketone that you are preparing, etc.? Please provide any other interesting information about your ketone that you might have found in your search of the literature using SciFinder and Reaxys .

Experimental: This section should include only the laboratory work that you have completed. The remaining work to produce the purified ketone should be included under the Supplemental Material section at the end of the paper. Include a comment on unexpected, new, and/or significant hazards or risks associated with the reported work.

Results and discussion: State the results of your experiment. Include any figures, tables, schemes, etc. Explain your results scientifically. Compare and contrast the results with the scientific literature you followed. If you did something different compared to the literature you found, state that here. Did that change affected your results (positively or negatively)? If you closely followed the literature that contains the synthesis of a similar compound (but not your assigned benzophenone), can you explain the logical basis for that selection?

Conclusion: State any conclusions based on your results thus far.

References: Please follow ACS citation format.

Supplemental Material:
Please include other useful information on the proposed experimental work for the term – what will you do next? Feel free to include any other information that you think is pertinent in understanding your project.