



Colbert, Zachary <colbertz@oregonstate.edu>

Re: Thesis - W2019 Materials

2 messages

Ethan Minot <ethanminot@gmail.com>

Fri, Mar 20, 2020 at 1:01 PM

To: "Colbert, Zachary" <colbertz@oregonstate.edu>

Thanks Zach. I will update the grade now (grade will be B). Here are my comments on your draft:

Process memo

* I like your observation that humans work best when they schedule short periods of daily writing (about 1 hour) and stick to the schedule. I've seen this advice in many places, and experienced it myself. On some days, the invisible fairy godmother of writing inspiration will show up and help us, on some days she won't. But every day we can say "I showed to do my part".

* Fantastic to hear that you can look at your writing with fresh eyes, and become your own editor. Writing down questions on your own manuscript is a super important skill.

Comments on Draft 2

* Suggested title change "Development of a Photoluminescence Microscope for Visible Wavelengths"

* Overall comments. I think the thesis will benefit from a discussion of power dependence. i.e. How does the PL spectrum (and signal to noise ratio) change as the laser power is increased. Due to the COVID-19 mess, it is unlikely you can get your own data to answer this question. However, I bet that Matt Graham can give you example data which you can show in chapter 2 or chapter 3.

* Did you have a camera on the microscope. This would allow you search around on the sample to find a point of interest. You could also snap a photo of the PL emission spot? Such images would be useful additions to your thesis.

* The requested format for the thesis is 1-inch margins, 11 or 12 point font size, 1.5 or 2 time line spacing. Please let me know if your LaTeX editor has trouble with this...

```
\documentclass[12pt]{article}
\usepackage{geometry}
\geometry{letterpaper, margin=1in}
\linespread{1.6}
\begin{document}
\section{LaTeX Template Suggestions}
Hello world! Now I know some commands needed in the preamble of my Latex code. You'll see that I have 1 inch margins, 12 pt font, double spacing and a nice looking bibliography. Yay! To figure this out, I did some google searches including "change the line spacing of document class" and "change the font size of document class". To add the references, I made a sample.bib file. Then I cited Einstein's journal paper \cite{einstein}, and the Dirac's book \cite{dirac}.
\bibliographystyle{unsrt} %BibTeX style is unsrt
\bibliography{sample}
\end{document}
```

* 2nd paragraph of Introduction: Use this wording (or something similar): "PL measurements are often performed with a single excitation wavelength. The instrument then acquires the emission spectrum. However, complementary information can be obtained by varying the excitation wavelength. Such instruments acquire an excitation spectrum. In this work, I employ a single excitation wavelength and acquire emission spectra."

* You need to cite more primary literature and improve the formatting of your references section. See the LaTeX above.

On Wed, Mar 18, 2020 at 11:43 AM Colbert, Zachary <colbertz@oregonstate.edu> wrote:

Hi Ethan,

I had to spend far more time over the weekend on final projects than I anticipated, so I've spent as much time as I could this week working on a new draft of my thesis. Attached are:

- **draft1.pdf**: This is the draft that I had last saved, and haven't worked on for a while.
- **draft2.pdf**: This is my latest draft. It's nowhere near what I'd like it to be, but I feel I'm getting back into the groove of writing.
- **process-memo.pdf**: Includes some notes about each draft, the writing process, and feedback.

4/7/2020

Oregon State University Mail - Re: Thesis - W2019 Materials

I have to be at work this afternoon and for the rest of the week, but I'll be monitoring my email if you have any questions, feedback, or would like to see anything else from me.

Thanks for all your help and support. I hope you and your family are all well and healthy this week!

--

Zach Colbert

Colbert, Zachary <colbertz@oregonstate.edu>

Fri, Mar 20, 2020 at 3:27 PM

To: Ethan Minot <ethanminot@gmail.com>

Ethan, thank you!

I think a B is incredibly generous, but I'll gladly accept it. I appreciate the thorough feedback, and will review it carefully as I continue writing.

-Zach

[Quoted text hidden]