

Flipping the Classroom Without Videos

This session is designed to parallel how I would use Just-in-Time Teaching in my classroom if I did not have access to Perusall.

- A book chapter I wrote in 2016 is serving as the text that everyone should read before the session. I have added a few comments to indicate how my pedagogy has changed since 2016.
- The learning objectives for this text are provided below. It should be helpful to review them before and after reading the chapter.
- The JiTT questions for this reading are also provided below. These questions should be answered on the Google form by 5:30 am Thursday, June 5th. I will use your answers to design the Flipping the Classroom Without Videos session.

Read Houseknecht, J. B. Just-in-Time Teaching Organic Chemistry with iPads. In *The Flipped Classroom*; Muzyka, J. L., Luker, C., Eds.; ACS Symposium Series; American Chemical Society: Washington, DC, **2016**, 81-92. (<https://pubs.acs.org/doi/abs/10.1021/bk-2016-1228.ch005>, annotated text available below)

After reading the chapter you should be able to:

1. [Introduction] Describe my rationale for adopting JiTT
 - a. Bloom's Taxonomy
 - b. Empirical evidence
 - c. [Distinctive Characteristics] Skill development
2. [Methods] Describe how students prepare for class sessions
 - a. Compare and contrast this to how your students prepare for class sessions
3. [Methods] Describe how I prepare for class sessions
 - a. Compare and contrast this to how you prepare for class sessions
4. [Methods] Describe the three phases of a typical class session
 - a. Compare and contrast this to your typical class session
5. [Results] Describe the evidence that JiTT is working at Wittenberg

Just-in-Time Teaching Questions to be answered on the Google form.

1. Which of the three reasons for adopting JiTT do you have the most questions about? What are they?
2. Describe how your preparation for class sessions would change with JiTT.
3. What about JiTT do you have questions about?

Google slides for in-session collaboration

- *LOs, Misconceptions, Activities*