

Recent Research on Student Learning I

- Laptops do not enhance classroom learning, and in fact students would be better off leaving their laptops in the dorm during class.
- References
 - May C., Students are Better Off Without a Laptop in the Classroom, Sci Am. July 11, 2017,
<https://www.scientificamerican.com/article/students-are-better-off-without-a-laptop-in-the-classroom/>
 - Ravizza S., Uitvlugt M., Fenn K. Logged In and Zoned Out, Psychol Sci. 2017 Feb;28(2):171-180,
<https://www.ncbi.nlm.nih.gov/pubmed/28182528>
 - Dynarski, S., Laptops Are Great. But Not During a Lecture or a Meeting, New York Times, November 22, 2017
<https://www.nytimes.com/2017/11/22/business/laptops-not-during-lecture-or-meeting.html>

Recent Research on Student Learning II

- Laptop note taking is less effective than longhand note taking for learning.
- References
 - Mueller PA, Oppenheimer DM, The pen is mightier than the keyboard: advantages of longhand over laptop note taking, Psychol Sci. 2014 Jun;25(6):1159-68
<https://www.ncbi.nlm.nih.gov/pubmed/24760141>

How to Succeed in CS 420 I

- ① Attend every class.
- ② Leave your cell phone and laptop/tablet in your backpack. Do not look at them during class.
- ③ Take notes by hand for every lecture.
 - ① Remember that you have access to the slides and classroom capture, so there is no need to copy lectures verbatim (word-for-word).
 - ② Instead, concentrate on processing the information you are given in class and rephrasing what you learned in your notes.

How to Succeed in CS 420 II

- ① Within a day after each class, watch the classroom capture while referring to your notes.
 - ① See if your notes correctly summarized the class content. If not, rewrite your notes.
 - ② When you feel you do not understand part of the lecture, rewind the video and watch the hard part again.
 - ③ When there is an example in the lecture, stop the video and do the example yourself before watching the video to see if you did the example correctly.
- ② When you feel you need more help, use the forums in piazza or blackboard to ask questions.
- ③ Make use of instructor and TA office hours to ask questions you could not get answered otherwise.
- ④ Do all homeworks and turn them in on-time.