Do you have any additional comments about the computer versus the chalkboard as a presentation method?

Answers

- No (x15)
- Computer is much easier to see, and easier/quicker for lecturer.
- I love having it on the computer because its so much larger.
- N/A (x3)
- much more neat, colorful, organized, helpful to look back on
- Much easier to read a computer typed then written on a chalkboard
- My TA’s handwriting is non-legible and I can barely read it (with 20/20 vision)
- I like the computer because it enables us to see what was written after class/while we’re studying. That would not be possible with the chalkboard.
- The computer is modern; so much easier to see, read and follow along. I am very glad that we have it.
- I have never had a class in college with the lectures written on a blackboard, but I do like being able to go online and re-read the lecture later.
- none
- with the computer screen it is much easier to see and make out what the lecturer is writing
- Easier to go back to something previously. Also, since the slides are saved and posted to the moodle page it is good to go back and review.
- When notes are written on a chalkboard, they can become messy and hard to follow. With doing the notes on the computer, the notes can be organized and it is possible to post the updated notes to an online place so that they can be re-studied and reviewed.
- Computer presentation is more time productive and easier to read.
- It is nice being a person who writes slower, to be able to have the option of looking at the exact notes taken in lecture to fill in the missing holes
- The computer is so much nicer because we can see the notes online later in case we missed something in lecture.
- computer is much easier to read
- Because in this case, we can check the notes online, instead of bothering to take note in class, which will affect the my thinking time.
- The computer is much more helpful as the colors are easy to see and it makes the lecture able to watch online afterwards. 100% agree with use of computer.
• Computer is just more clear and more accessible in general. Allows for easy color
denotations and especially for more accurate graphs!
• its easier to follow
• the presentation makes it easier to see all work on the board
• The computer is much easier to see and follow.
• The on-screen work is great, but professors tend to write exceptionally fast on
these, and it can be hard to keep up with taking notes, even with printouts.
• The computer allows the lesson and different steps to become more clear as the
lecturer can use different colors to highlight key points or where work still needs
to be done to find the solution.
• I believe that presenting the material that students are required to learn on the
computer is an excellent idea. Many of the professors that use the computers, rather
than the chalkboard, usually put their notes on Carmen. This helps because if miss
lecture for some reason you are still able to get the notes and if the professor is
moving too fast for a student, they can print off the professor’s notes and move at
their own pace.
• its nice that everything is recorded and i can see the lecture online whenever i need
• No, I really like how the notes are in powerpoint format and can be printed
• i feel like its more personal
**Do you have any additional comments about the pre-class notes?**

**Answers**

- Example problems would help
- No (x19)
- I don’t use them but many in the class do.
- I don’t really take advantage of this.
- n/a (x3)
- easier when lecturer goes fast
- I love it! I feel more focused/prepared when I get to lecture
- I usually utilize the post-class notes more, but definitely a nice resource to have.
- This allows me to keep up with the pace of the class and allows me to solve the problem completely instead of only being able to copy down the problem.
- I don’t use them since I tend to just listen and then use the post class notes if needed.
- it gives me the opportunity to look over what is to be taught and go into the class with a basic idea of what I’m learning that day. I feel a lot less of the 'being thrown into a situation I know nothing about and panic' kind of emotions and stress
- I sometimes print them off.
- This allows me to prepare before class for the lecture.
- Lecture goes so fast! I would probably be incredibly discouraged if I had to try and write everything without the notes written beforehand.
- I seldom use that?
- I don’t really use them.
- they are nice to have and print out
- gives me more to time to understand the concept instead of writing the question down
- i usually don't print them out because there is really nothing on the slides that is useful, it is just as easy to write everything down once the teacher does.
- I print out the notes and then write in the same things as the teacher which I find helpful.
- It helps me pay attention more in class, than if I had to write the notes out on my own. Also, I am able to review some the material that we might be covering, before class.
- Great help!
• its nice to see what you will be studying before class
Do you have any additional comments about the post-class notes?

Answers

- They could be clearer
- Because I know I have the notes online sometimes I won't take notes in class. It definitely helps for when I study, but because I know I have that option it's easy for me to get lazy.
- Knowing the notes are online after class makes me think I don't need to pay as much attention in class.
- If anything is missed in class it can be seen on the post class notes.
- n/a (x3)
- no (x22)
- I can focus more on the words being spoken and not have to write everything down
- So helpful!
- Even though I rarely have to use them, I enjoy knowing that if I miss something I will be able to finish it after class.
- I generally don't write much down now, I just listen and then if I need to I go online later and find the notes. I like it a lot better than having to scribble the notes down really fast and then try to decipher them later.
- the complete lecture notes let me go back to see what the lecturer actually wrote and I can find errors in my note taking. It also allows me to not worry when the lecture is going really fast and I don't get the whole equation written down. I don't think it affects how much I pay attention in class.
- Yes, I don't have to worry so much about getting what is written down and I can watch how the problems or concepts are solved.
- Best way to study I have ever seen!
- very very*10^n good!!!!!!!!!!!!!!!!*10^n
- It helps me to print off the notes after class and keep them for further studying.
- I believe that even though they are online, it is still better to hear and pay attention in person
- it helps me pay more attention to understand the concept instead of worrying about getting the notes down
- the notes afterwards are sometimes confusing, so work from others in the class is easier to understand
- Post-class notes are very helpful. I am always able to go back and check on what I missed writing down and then put in my own notes.
Do you have any additional comments about the interactive figures (applets)?

Answers

- They help a bit
- I don't use interactive figures on my own time.
- No (x21)
- Sometimes they work but for me they do not help.
- n/a (x4)
- not helpful or applicable to what i need to do
- The interactive figures allows me to understand the problem from more than one angle - I can understand multiple concepts at once.
- it does help a little to see the graphs and things on the screen, but I have not experimented with them on my own at all.
- they do help when it comes to seeing certain things like how a derivative is the tangent line
- Actually, I haven't done too much of that on my own.
- Again... best way that i have seen to help me study and understand my lecture.
- They are pretty cool to look at during class, I dont really check them out on my own though.
- What is interactive figures?
- Although they are neat, I don't see a practical use for them if it takes money to use them.
- they should be kept for an extra teaching method
- the figures are cool but dont provide much help towards understanding the material much
- They are helpful in visualizing concepts.
Do you have any additional comments about the online lecture videos?

Answers

- haven’t used them
- I don’t always use the video, but it’s helpful when I don’t understand a particular concept. Also it’s nice for if I miss class. However sometimes the video links will not work which is frustrating.
- No (x16)
- I’ve never used the video, I just come to class.
- When they are actually posted and working they are great. Sometimes the lecturer may cut out a bit. Also having more than one lecturer to listen is a plus.
- I haven’t used the lecture videos.
- n/a (x4)
- audio could be better
- It’s great to have access to it
- This would help greatly if I ever missed a class or had to leave early.
- I have not used any lecture videos
- I found these extremely helpful, especially when reviewing a topic I didn’t quite understand. I was able to rewind the video to re-listen to explanations that I didn’t get the first time I heard them
- If it would be great if the lecturer would repeat questions that are asked that way when reviewing the video the question is there as well. Otherwise, it is not recorded on the audio portion of the video. The lecturer has done this on occasion.
- Allows me to see how the problems were solved and worked out. Really helpful!!!
- I have honestly never looked at the lecture videos, I only use the post lecture notes to study.
- audio isn’t really good, it’s somewhat static sometimes. Video doesn’t always show the full screen so I have to read the lecture notes to know what she’s doing on the part of the screen not shown in the video.
- I have never used that
- I really think they are helpful, as I do watch them online after the lecture.
- They are helpful due to how they record all the writing as the lecturer speaks.
- I’ve never used them so I wouldn’t know the effectiveness
- It’s probably just my computer that is slow
- I have never used these
• I haven't looked at the videos.
• I have no additional comments.
• I haven't used the videos to study rather I use the book and notes on the powerpoint.
• It would be easier if you could pause, skip ahead, and rewind so you could skip to the part that you needed help with, and if this is already available I could not figure out how to do it so directions would be nice.
Do you have any additional comments about the clicker warm-up questions?

Answers

- They help!
- I know this sounds lazy, but it too much work for me to log on to my computer and get to clicker. By the time I’m ready to answer the question my lecturer is already explaining the answer.
- No (x22)
- I set up a twitter account but I cannot make it work. I do work the problems everyday and I think it is helpful, even if my answer doesn’t show up on the board.
- Try and just find an easier way - or just have the question up before class and allow students to answer the question then on their own. The display of what people answer is not that great, it honestly persuades to answer something they other wise wouldn't say.
- n/a (x5)
- its okay
- Its a great idea but would be better if everyone participated
- The clicker questions are cool and a nice warm-up before class. I dont think it should be a mandatory thing.
- I vote every class by going on the web via my phone right before class, but I sometimes have delays due to low signal. Texting my answer to a number would be better.
- I think that even if you don’t answer the clickr question, it is a good way to get your mind working on calculus and a easy way to do a simple review of the last lecture.
- The clicker questions are definitely helpful because its one of the few moments we have to interact with the lecturer during class. The way it is set up is rather ineffective. Many classes require clickers anyway, everyone should have one anyways.
- they are good to have to provide a general review of the class
- The majority of the time I actually am one of the 7 or 8 kids that does the clicker question, and I find it helpful to test my knowledge.
- Sometime the clicker questions are very helpful and some of the clicker questions are similar to some of the webwork problems.
- I think they are an interesting test to whether we know the concepts or not.
If you were in charge of the technology pilot for next quarter, is there anything you would change from this quarter? If so, what?

Answers

- No (x2)
- In my high school we had smart boards, I loved them. Same goes for here.
- It would be nice for the lecture video to be available sooner but I understand that is probably out of your control.
- Only real problems was when the technology didn't work class came to a hault. As long as it worked though it was very beneficial.
- no clicker questions
- All of the glitches need to be worked out. The class is already short and sometimes the lecturer is spending class time setting everything up.
- n/a (x2)
- no, it was great except for some missing videos and such
- Mandate the clicker question and try to make sure the technology works ok
- No, I love having access to technological resources online and at my own convenience.
- I would combined/delete some of the pre-class lecture slides because printing them all out took a lot of ink and paper. A lot of the slides could have been combined and then I would have been able to print them out bigger.
- I'm not sure what "Symposium" means. I personally don't use the pre-class lecture notes mostly because I usually just listen and then look at the post class notes if I need to, but I see plenty of other people who use them and say that they really help, so I would keep them.
- Use a clicker
- Even though the technology is in its begining stages, It is really helpfull and i would not change a thing.
- Get rid of recording a video for lecture. It causes problems like slowing computer down at times during lec. and isn't even necessary.
- Just work out the gliches
- There really isnt much I'd change except the clicker question situation.
- have the video show the whole screen and not just a section of it. I have to pause it a lot so I can read the lecture slide to know what's going on off screen. Audio quality could be a lot better.
- Just the accessibility and concept of the clicker questions, keep the notes and videos the same.
• The teacher sometimes gets too into the technology, and I think sometimes the important parts of math get missed because the teacher has to deal with figuring things out to make the technology work the way they want.
• I’m actually really impressed with the pilot and feel lucky that I get to be in it. Everything is good as far as I’m concerned.
• No, I really wouldn’t change anything
• I would just be sure to have the slides up and ready so class can begin promptly.
• I honestly prefer a chalk board to all of the technology
Answers

- No (x26)
- Sometimes my lecturer goes too fast even for the computer and then it freezes up a little and said lecturer gets mad at the computer. SLOW DOWN for me and for the computer.
- It is great to be able to just pay attention and not worry about copying everything down knowing that I have full access to the lecture later. It is much easier to follow along to learn the new concepts.
- I never really watched any of the videos but I’m sure it may have helped some people.
- n/a (x4)
- very helpful
- Very satisfied with the class thus far.
- I am very glad that I got placed in this technology class and I hope to have more classes like this in the future.
- Best math class i have taken because i hav so many resources at my advantage.
- Great idea, keeps students more focused and less copying of the problems and more attention on how to do the problems and seeing figures.
- The videos only work about half the time
- Keep up the good work! Thanks!
- I do not have any other comments
- I would much enjoy sample problems similiar to those that will be on the exam.
- I think the class is run very well and I think having the power points to print off and add to during class are great.